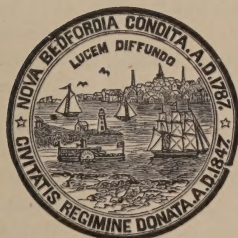




CITY DOCUMENTS.

Mayor's Address to the Council, City Government, Annual Reports, Etc.

For the Year 1903=1904.



NEW BEDFORD :
THE A.E. COFFIN PRESS, CITY PRINTERS,
1904.

CITY DOCUMENTS

Mayor's Address to the Council

City Government



For the Year 1903-1904



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1904. CITY DOCUMENT. No. 1.

TENTH INAUGURAL ADDRESS

OF

HON. CHARLES S. ASHLEY

Mayor of New Bedford

At the Inauguration of the City Government
January Fourth, Nineteen Hundred and Four



NEW BEDFORD:
THE A. E. COFFIN PRESS, CITY PRINTERS,
1904.

Tenth Inaugural Address

OF

HON. CHARLES S. ASHLEY.

Gentlemen of the City Council :

In return for their confidence, we owe to the people of New Bedford our best efforts in the administration of the affairs of the city.

Such duties as our positions impose upon us should be faithfully performed.

Public trust is not a burden to be lightly shifted.

It will not do to give negligent attention to the matters which are sure to come before you for consideration and action.

We are expected to act prudently in treating with the public business, having in constant view the interests of the city and of all its citizens,

The revenue of the city is to a certain extent limited by legal regulations and our expenditures should be gauged to the conditions which are so imposed.

You will be furnished with statements from the heads of the several departments of the city setting forth what appears to them is the proper policy for them to follow and what amount of money in their judgment to be granted for necessary expense.

For information the City Treasurer and Collector of Taxes has supplied the following statement :

TAXES.

The tax levy for 1903, as per warrant of the Assessors to the Collector of Taxes, was as follows :

State Tax	\$49,550.00	
Armory loan, interest, sinking fund, etc	8,084.43	
County tax	91,486.46	
City appropriations	1,045,388.00	
Overlay	7,574.63	\$1,202,083.52
Collections, amount paid City Treasurer	\$1,088,586 64	
Received from unappropriated funds...	40,000.00	\$1,128,586.64
Balance unpaid		\$73,496.88
Balance of appropriations, general 1903, per Auditor's account		71,592.72
Excess of taxes over appropriations		\$1,904.16
About six per cent. of the taxes now remain unpaid.		

The tax levy for 1902, as before reported, was	\$1,162,479.51
Collections to date.....	1,136,280.75
Uncollected to this date.....	<u>\$26,198.76</u>

A large portion of the taxes of 1902, now remaining unpaid, being for real estate, will be available on or before April 1, 1904.

RECEIPTS AND EXPENDITURES.

The receipts and expenditures for the year, including balance of cash in the Treasury, December 1, 1902, have been as follows:

Balance, December 1, 1902	\$64,627.29	
Receipts from taxes, applied to—		
Appropriations general.....	\$1,023,439.48	
Temporary loans, etc	1,368,000.00	
From issue of bonds.....	230,000.00	
From Commissioners of Sinking		
Funds, to pay maturing bonds..	162,000.00	
From water rates, water debt.	35,000.00	
From wharf rates, applied to debt..	2,680.00	
From Water Registrar, rates, etc....	139,839.64	
Interest on Trust Funds.....	6,786.00	
Dog licenses	3,312.26	
From sundry sources, liquor		
licenses, etc.....	272,186.28	\$3,243,343.66
Total receipts, including balance December 1, 1902...		<u>\$3,307,970.95</u>
Expenditures, as per warrants of the Mayor.....		<u>3,181,090.29</u>
Balance of cash in the Treasury.....		<u><u>\$126,880.66</u></u>

BONDED DEBT.

Gross debt.....			\$3,931,000
Deductions beyond the debt limit :			
Water bonds.....	\$1,568,000		
Park loans.....	128,000		
Wharf loans.....	82,000		
Municipal sinking funds.....	822,514	2,600,514	
Net municipal debt.....			<u>\$1,330,486</u>
Sinking funds, gross.....	\$1,077,168		
Deductions :			
Water loan sinking funds..	\$228,370		
Park loan sinking funds...	15,101		
Wharf loan sinking funds..	11,183	254,654	<u>\$822,514</u>
Average valuation for 1901, 1902 and 1903, less abatements by the Assessors to Dec. 1, 1903.....			<u>\$62,207,972</u>
Two and one-half per cent. of average value.....			\$1,555,199
Net municipal debt as before stated			<u>1,330,486</u>
Short of debt limit, December 1, 1903.....			\$224,713
Since the close of the year, December 1, 1903, bonds have been issued as follows :			
Improvement bonds, 4s	\$120,000		
School bonds, 4s	50,000		
Sewer bonds.....	30,000	\$200,000	
Debt limit at this date, January 1, 1904.....			<u>\$24,713</u>

ESTIMATED BORROWING CAPACITY FOR 1904.

Borrowing capacity, Jan. 4, 1904.....	\$24,713
Bonds to mature, other than water bonds....	\$123,000
Estimated increase in sinking funds	147,000
	<hr/> \$294,713
Less amount to be paid from sinking funds.....	113,000
Estimated borrowing capacity to Dec. 1, 1904.....	<hr/> \$181,713 <hr/>
Amount due on account of bonded debt for 1904 is as follows :	
Water bonds, 7s	\$10,000
“ “ 5s	20,000
Improvement bonds, 6s	10,000
“ “ 4s	113,000
	<hr/> \$153,000 <hr/>

The water bonds 5s, \$20,000, is the last installment of an issue of \$100,000 made in 1876.

\$30,000 of water bonds due will be paid from water rates, \$10,000 improvement bonds 6s from taxation and \$113,000 improvement bonds 4s to be paid from the sinking funds.

SPECIAL APPROPRIATIONS.

The special appropriations for the year, as heretofore have been large, due in a measure to the rapid increase in population.

Balance of appropriations as per		
Auditor's statement for 1903.....	\$284,691.83	
Balance for 1902.....	222,814.99	\$507,506.82
Less loan for high school lot.....	\$60,000.00	
Plan for high school house.....	23,772.87	
Bonds issued since Dec. 1, 1903	200,000.00	283,772.87
Balance to be provided for... ..		\$223,733.95
Less amount of debt limit to Dec. 1, 1904.....		181,718.00
Amount to be provided for during the year 1904.		\$42,015.95

ALMSHOUSE ALTERATIONS.

At the city almshouse extensive alterations have been made. A new wing providing a woman's ward and a hospital has been constructed, the interior of the old building has been re-arranged and improved, a new brick kitchen has been added, new plumbing provided and the heating facilities greatly augmented. When we compare present conditions in this institution with such as existed there a short time ago, we have good reason to congratulate ourselves on properly housing our worthy poor.

BOARD OF ASSESSORS.

The work of the Board of Assessors is of the greatest importance, laying the foundation for the collection of the principal revenue of the city. The business grows in ratio with the growth of the city in population. I believe this department is properly and economically administered.

A natural increase in the expense may be reasonably expected over previous years because of the necessity of additional clerk hire and the cost of preparing in 1904 extra lists for the use of the Commonwealth.

And we should be willing to assist the assessors in lightening the burden placed upon the taxpayers by rational appropriations.

THE PUBLIC HEALTH.

The city council of 1903 acted wisely in providing for the erection of an isolation hospital for contagious diseases. I believe it to be a step in the line of progress and economy. And I hope we may be able, with the assistance of the Board of Health, to take up the matter of a better disposal of the garbage, a problem of great difficulty, and to regulate it in a more satisfactory manner than now obtains.

FIRE DEPARTMENT.

The expenditures of the fire department show an increase over the previous year which may be attributed directly to the action of the council in adding to the salaries of the call men of the department.

The charges of salaries and maintenance here are practically fixed charges. No new apparatus has been purchased.

With the erection of the proposed new engine house at Kempton and Reed streets, and the equipment and management of the same, we may expect a demand for more money.

This department has been efficient and has been managed economically, and reflects credit on those in charge.

HIGHWAYS AND STREETS.

The Superintendent of streets favors and I recommend that this department should continue the policy of putting down desirable pavement and sidewalks in thoroughfares where travel is heavy and necessary repairs frequent and expensive.

The laying of Pleasant street with bituminous pavement and Water street with granite blocks is

of great advantage to teaming interests and reduces maintenance charges to a minimum. Such work should be extended as rapidly as means will allow.

And if it is determined that bitulithic pavement should in a great measure replace the ordinary macadam, the city should own a plant enabling us to lay this pavement whenever desirable, using the ordinary force of the street department for the work.

LIGHTING THE STREETS.

As a result of agitation which secured an advantageous contract with the local lighting company, there has been a marked improvement in the lighting of the public streets. The committee which had control of this matter managed it with discretion and economy. But more lamps are needed and better light is expected next year.

SCHOOL DEPARTMENT.

One year ago I took occasion to speak of the need of new school houses, also of portable schools; some of the latter have been acquired.

Although in the past seven years the city has expended in new school buildings and additions,

exclusive of repairs and maintenance, over \$425,000.00, yet we are in need of more accommodation.

The enrollment for the day schools at the close of the year July 1st, 1903 (the period for which the records are now tabulated as required by the State,) was 9,684 pupils, the night school enrollment for the same period was 3,269, making a total of 12,953 for the year.

The average membership for the same period was 8,193 for the day schools and 1,906 for the evening schools, or a total of 10,099 pupils.

For the month last closed the average membership was 8,878 for the day schools and for the evening schools a membership of 2,263 or a total of 11,141. This shows an increase of 1,042 pupils over the average membership of the year closing July 1st, of which 685 was the increase in the day schools. These figures show the necessity of increased school accommodations.

At the north end of the city the school houses on the east side of the railroad track are full to overflowing. Already Lowe's block has been hired for a class of ungraded pupils. There is one vacant room in the Clark street school, and the old Linden street school house may possibly be put into condition for temporary use for the increase which will come next fall.

The Parker street school is full and two classes from that school are located now in the H. A. Kempton school on Shawmut avenue.

All the school houses in the centre of the city from Merrimac street to Russell street are full, with no room for additional classes which soon will be demanding attention.

The T. A. Green school house is full and so is the portable school house on the lot.

The Acushnet avenue school house is full to overflowing and there is now a class in the corridor which will be transferred to the old City Mission building just hired for that purpose.

The Fifth street grammar school and the R. C. Ingraham school are full and two classes of the latter school are located in the attic of the Thompson street school and one in one of the portable school houses on the I. W. Benjamin school lot.

The I. W. Benjamin school is full and an overflow class occupies the other portable school house.

All the other school houses are entirely occupied with classes and with but few vacant seats.

We are expending now a total of \$2,280 yearly for buildings hired for school purposes.

When the new high school is built, by transferring the Middle street school to the present high school building and utilizing the present Middle

street school for a primary school, the centre of the city will be relieved.

There is no way to relieve the conditions north and south but by the erection of new school houses.

I believe this to be a matter of vital importance and recommend the same to your early attention.

The past year the cost of the school department was, in round numbers, \$264,000, which is an increase in seven years of about \$2.00 per thousand upon our taxation.

While some of this increase may be attributed to increase in salaries, yet the salaries paid the teachers are no larger than those paid in other cities in their respective classes.

With the present expenditure, the cost per pupil is about \$30.00 per year, which includes the furnishing of all books and supplies.

When the demand of the people is that their children shall have all of the advantages which shall fit them to meet the various requirements of modern life, and when it is remembered that private schools demand \$75.00 to \$500.00 per year for the same educational advantages, claims of excessive cost cannot well be sustained.

GRADE CROSSINGS.

The report of the grade crossing commissioners will be soon in court for final action.

Its confirmation will witness the end of the first case to be conducted from start to finish in exact accordance with the spirit and intent of the statutes.

Other communities by the "getting together" process, have seen the beginning of the actual work of abolition, but as it has assumed size and shape, have regretted that the compromise took the place of legal adjudication.

It will be a cause for common gratification and pride when in our case the court makes the finding. The matter has extended over a lengthy period of time and should well be concluded.

I predict that the determination reached will give general and wide satisfaction,—that the interests of business will be advanced,—the protection of life secured and the comfort and convenience of all be increased.

There could be no approval of a cowardly surrender to the railroad company, a giving up of rights or a trade with this great corporation. Such a course would be an object and entire admission of helplessness, and a plain assertion of our lack of confidence in the law and the courts.

There have been no trades or whispering agreements with the New York, New Haven & Hartford Railroad Company.

The results about to be obtained will, in my best judgment, hope and belief, prove and establish the wisdom of the course that has been pursued.

An adequate solution of the problem will be provided, and no one-sided concessions will have been made; we shall receive a fair and proper treatment rightfully secured, without giving up of any valuable rights, possessions or privileges.

THE ACQUIREMENT OF WHARF PROPERTY.

As a result of the experience of the city in the municipal ownership of wharf property, I am convinced more and more of the importance of acquiring property on the water front.

The fact that New Bedford is a railroad terminus places us at the mercy of a railroad monopoly and it appears of critical importance that our alternative facilities for transportation, by water, should be controlled in a manner which will guarantee that these facilities shall be operated in the interest of the public.

The economies of operation are becoming of great importance to our industries in these days of

sharp competition, and the city which can insure an advantage in the matter of rates and conveniences for the reception and shipment of the raw material and its manufactured product, is certain of making progress.

Whatever may happen in the changing conditions of trade, I am certain that the destiny of all cities located on the seaboard, with ample harbors, is assured, and that they are bound to grow and prosper.

Within a few weeks we have been advised that one of the great foreign steamship lines proposes to change its home port from New York to Boston, because of the better and cheaper dock facilities afforded in the latter port.

Commercial growth is bound to respond promptly to such superior advantages and cheaper rates, as we can provide.

Inquiries have been recently made which suggest that at no distant day, our mills will find it to advantage to ship cotton direct to this port by water from the South.

I understand that before this will be practical some changes in present methods must be made, but there is reason to believe that this is the present tendency.

When that day comes, New Bedford will have a certain advantage over many competing cities.

Experience has shown us that wharf property is a good investment for the city.

The present wharf receipts take care of interest on the investment and leave a balance for maintenance. With our extension of such ownership the city will place itself in a position to offer facilities for all and to administer this utility with a liberality which will afford advantages to all who do business in New Bedford.

This proposition offers an opportunity to benefit New Bedford and her industries, and I believe it is one of the most attractive openings for promoting our interests which is now available.

I make no specific recommendation at this time, but propose that the city council shall be alert to acquire property along the water front whenever it comes into the market at a fair price.

CONCLUSION.

The ideas of the modern citizen with respect to the necessities of the municipality require the adoption of means for payment outside of the ordinary and usual income.

This results in the issue of bonds, to pay in the future that which we will enjoy in the interim.

While the method is open to criticism, as being based upon the presumption of future prosperity, a thing of which we cannot be certain or assured, nevertheless the experience of the past has demonstrated in building wisely and well even though it be upon our anticipated prospects and credit.

Familiarize yourselves with the subjects which will come before you and be prepared to act justly and intelligently.

And if you are sincere in dealing with the affairs of the city you will perform your whole duty to the people whom you are here to represent.

1904. CITY DOCUMENT No. 2.

CITY GOVERNMENT,

1904.

MAYOR

HON. CHARLES S. ASHLEY

ALDERMEN

Ward 1 — HENRY P. JENNEY

Ward 2 — LOUIS Z. NORMANDIN

Ward 3 — THOMAS THOMPSON

Ward 4 — CHARLES H. LAWTON

Ward 5 — GEORGE H. HEDGE

Ward 6 — JOHN HANNIGAN

CITY CLERK

DANIEL B. LEONARD

ASSISTANT CITY CLERK

WILLIAM S. COOK

CITY TREASURER AND COLLECTOR OF TAXES

JAMES H. HATHAWAY

CITY AUDITOR

CHARLES J. MCGURK

CITY MESSENGER AND CLERK OF COMMITTEES

WALTER H. B. REMINGTON

COMMON COUNCIL

PRESIDENT — SAMUEL HIGHAM

Ward One

Henry J. Gurl	John V. Thuot
Joseph H. Handford	Francis P. Washburn

Ward Two

D. Herbert Cook	Samuel Higham
Michael J. Glennon	Lawrence T. Woolfenden

Ward Three

Clarence H. Brownell	Charles W. Jones
Francis W. Hammond	Lewis E. Milliken

Ward Four

Hugh Donaghy	Thomas A. Percy
*James H. Freeman	Robert J. Wilson

Ward Five

Charles M. Carroll	Joseph L. Gibbs
Frank Croacher	Henry J. Watson

Ward Six

William K. Lees	Charles A. McAvoy
Patrick Loftus	George Winterburn

Clerk — WALTER H. B. REMINGTON

* Resigned

STANDING COMMITTEES OF THE BOARD OF MAYOR AND ALDERMEN

Burial Grounds — Aldermen Hedge, chairman ; Jenney and Thompson.

Enrollment — Aldermen Thompson, chairman ; Normandin and Hannigan.

Laying Out, Widening and Repairing Streets — The Mayor, chairman ; and Aldermen Jenney and Lawton.

Licenses — Aldermen Hedge, chairman ; Jenney and Lawton.

Police — The Mayor, chairman ; and Aldermen Jenney and Hedge.

Soldiers' Aid — The Mayor, chairman ; and Aldermen Lawton and Thompson.

JOINT STANDING COMMITTEES OF THE CITY COUNCIL

- Armories and Military Property*—Aldermen Normandin, chairman ; and Hedge ; Councilmen Gibbs, McAvoy and Percy.
- Audit*—Aldermen Jenney, chairman ; and Lawton ; Councilmen Gurl, Croacher and Lees.
- Bath Houses*—Aldermen Hannigan, chairman ; and Thompson ; Councilmen Gurl, Watson and Loftus.
- Buildings in the Five Districts*—Aldermen Lawton, chairman ; and Hedge ; Councilmen Handford, Washburn and Milliken.
- Charities, Alms-house and the Poor*—Aldermen Lawton, chairman ; and Hannigan ; Councilmen Thuot, Glennon and Freeman.*
- City Property*—Aldermen Jenney, chairman ; and Lawton ; Councilmen Glennon, Jones and Winterburn.
- Claims*—Aldermen Normandin, chairman ; and Hedge ; Councilmen Gurl, Croacher and Freeman.*
- Education*—Aldermen Lawton, chairman ; and Thompson ; Councilmen Carroll, Lees and Watson.
- Finance*—The Mayor, chairman ; and Alderman Hedge ; the President of the Common Council and Councilmen Washburn, Jones, Donaghy, Gibbs and Lees.
- Fire Department*—Aldermen Hedge, chairman ; and Normandin ; Councilmen Washburn, Woolfenden and Hammond.
- Fuel*—The Mayor, chairman ; and Alderman Hannigan ; Councilmen Thuot, Brownell and Percy.
- Ordinances*—Aldermen Normandin, chairman ; and Thompson ; Councilmen Milliken, Freeman* and Loftus.
- Printing*—Alderman Lawton, chairman ; Councilmen Carroll and Wilson.
- Roads, Bridges and Sewers*—Aldermen Jenney, chairman ; and Normandin ; Councilmen Hammond, Donaghy and Brownell.
- Street Lights*—Aldermen Jenney, chairman ; and Normandin ; Councilmen Woolfenden, Winterburn and Carroll.
- Water Works and Water Supply*—Aldermen Jenney, chairman ; and Hannigan ; Councilmen Handford, Thuot and Milliken.
- Wharves*—Aldermen Lawton, chairman ; and Hedge ; Councilmen Donaghy, Handford and Cook.

*Resigned.

STANDING COMMITTEES OF THE COMMON COUNCIL

- Bills in Second Reading*—Councilmen Brownell, chairman ; Watson and McAvoy.
- Election and Returns*—Councilmen Cook, chairman ; Wilson and Loftus.
- Enrolled Ordinances*—Councilmen McAvoy, chairman ; Cook and Percy.

ASSESSORS

Office, Library Building, Room 6

WILLIAM F. BANNON, Chairman	3 years
THOMAS F. HEALEY	1 year
HENRY C. RUSSELL	2 years

ASSISTANT ASSESSORS

Ward 1 — JOHN H. FINNELL
 Ward 2 — ARTHUR B. CHAPPELL
 Ward 3 — PRINCE S. BORDEN
 Ward 4 — ROLAND A. LEONARD
 Ward 5 — WILLIAM J. ABRAMS
 Ward 6 — GEORGE ENGLAND

BOARD OF HEALTH

Office, 52 Pleasant Street

MANUEL V. SYLVIA	Term expires February, 1905
WILLIAM G. KIRSCHBAUM	Term expires February, 1906
JOHN T. BULLARD	Term expires February, 1907
WILLIAM G. KIRSCHBAUM, Chairman	

City Physician and Quarantine Physician

HOLDER C. KIRBY

Term ends in Feb., 1905

Clerk

SUSIE J. SMALL

Health Inspector

WILLIAM E. MACOMBER

Inspector of Plumbing

LOUIS H. RICHARDSON

Medical Inspector

DR. ALPHONSE NORMANDIN

Bacteriologist

DR. CHARLES F. CONNOR

NEW BEDFORD WATER WORKS

NEW BEDFORD WATER BOARD

His Honor CHARLES S. ASHLEY, Mayor, ex-officio President
SAMUEL HIGHAM, President of Common Council, ex-officio

LETTICE R. WASHBURN, Term expires June, 1905

ZEPHANIAH W. PEASE, Term expires June, 1906

WILLIAM E. SMITH, Term expires June, 1907

Clerk

ROBERT C. P. COGGESHALL

Water Registrar

CLIFFORD BAYLIES

Office, Basement City Hall Building

Superintendent

ROBERT C. P. COGGESHALL

Office, City Hall Building

OVERSEERS OF THE POOR

CHARLES S. PAISLER, Chairman

CHARLES S. PAISLER Term expires May 1, 1905

WILLIAM H. RANKIN Term expires May 1, 1906

A. H. W. CARPENTER Term expires May 1, 1907

Secretary

A. H. W. CARPENTER

Messenger

AUGUSTUS A. WOOD

Clerk

ELLA F. BUCKLIN

Superintendent Almshouse and Farm

FREEMAN H. ASHLEY

Physicians

EDWARD T. TUCKER and GEORGE BARNES

FREE PUBLIC LIBRARY

TRUSTEES

(Ex-officio. Terms expire January, 1905)

CHARLES S. ASHLEY, Mayor of the City
 SAMUEL HIGHAM, President of the Common Council
 CHARLES H. LAWTON, Alderman and Chairman of the Committee of the City Council on Education

(Elected by the Council)

WALTER S. ALLEN,	Term expires April, 1905
WILLIAM L. SAYER,	Term expires April, 1905
ISAAC B. TOMPKINS, JR.,	Term expires April, 1906
JIREH SWIFT, JR.,	Term expires April, 1906
OTIS S. COOK,	Term expires April, 1907
FRANCIS M. KENNEDY,	Term expires April, 1907

President of the Board
 THE MAYOR

Clerk
 WILLIAM L. SAYER

Committees

On the Library — Messrs. SAYER, TOMPKINS and SWIFT
On Finance — Messrs. KENNEDY, TOMPKINS and COOK
On the Building — Messrs. ALLEN, LAWTON and COOK
On Branch Reading Rooms — Messrs. SWIFT and LAWTON

Librarian
 GEORGE H. TRIPP

Cataloguer
 ANNA H. DEWOLF

Assistants

CLEMENT L. YEAGER	NELLIE C. DAVOLL
JOSEPHINE A. MERRICK	SUSIE H. GAMMONS
ETTA F. LAWRENCE	FLORENCE E. PIERCE

Janitor
 YORICK W. AMES

COMMISSIONERS OF SINKING FUND

WILLIAM A. MACKIE,	Term expires March, 1905
BENJAMIN F. BROWNELL,	Term expires March, 1906
MORGAN ROTCH, Chairman,	Term expires March, 1907
JAMES H. HATHAWAY, Secretary and Treasurer	

BOARD OF PARK COMMISSIONERS

Office, Merchants Bank Building

OBED C. NYE,	Term expires 1st Monday in May, 1905
CHARLES T. SMITH,	Term expires 1st Monday in May, 1906
ERNEST A. WHEATON,	Term expires 1st Monday in May, 1907
JAMES E. MOORE,	Term expires 1st Monday in May, 1908
SAMUEL P. RICHMOND,	Term expires 1st Monday in May, 1909

CEMETERY BOARD

CHARLES H. VINAL,	Term expires May 1, 1905
WILLIAM M. HIGHAM,	Term expires May 1, 1906
JOHN G. NICHOLSON,	Term expires May 1, 1907

Chairman — JOHN G. NICHOLSON

Secretary — CHARLES H. VINAL

Superintendent of Cemeteries

CHARLES F. CORNELL

CITY GOVERNMENT.

City Solicitor

BENJAMIN B. BARNEY

City Engineer

WILLIAM F. WILLIAMS

Drawtender

CHARLES B. SAYLES

Superintendent of Streets

CHARLES F. LAWTON

Sealer of Weights and Measures

JOHN N. O'BRIEN

Superin'dent of Public Buildings and Buildings in the Fire Districts

EDMUND O'KEEFE

Inspector of Buildings

EDMUND O'KEEFE

Superintendent of City Clock

WILLIAM B. WOOD

City Bell Ringer

CORNELIUS A. WEBB

Harbor Master

CHARLES H. CRAGEN

Inspector of Petroleum and Vinegar

FRANK R. DELANO

Inspector of Milk, Animals and Provisions

DANIEL C. ASHLEY

Office, 137 Pleasant Street

Supervisor of Wires

DANIEL D. BRIGGS

REGISTRARS OF VOTERS

WILLARD N. LANE,	Term expires May, 1905
CHARLES T. LUCE,	Term expires May, 1906
CHARLES S. COOMBS,	Term expires May, 1907
WILLARD N. LANE, Chairman.	
DANIEL B. LEONARD, Clerk.	
Office, Basement City Hall Building.	

PRECINCT OFFICERS

(Term of office expires Nov. 1, 1904)

WARD ONE, PRECINCT A

Warden,	Allen Russell, Jr., R.
Clerk,	Michael E. Daley, D.
Inspector,	Nathaniel H. Jenney, R.
"	Ernest A. Jenney, D.
"	Edward C. Taber, R.
"	William O'Neil, D.

Deputies

Warden,	Thomas Riding, R.
Clerk,	Thomas E. Smith, D.
Inspector,	Frederick H. Roscow, R.
"	Timothy J. Sullivan, D.
"	Daniel A. Cotter, R.
"	———, D.

WARD ONE, PRECINCT ONE

Warden,	Michael F. Harlow, R.
Clerk,	John H. Finnell, D.
Inspector,	Henry H. Hacking, R.
"	Daniel J. Connolly, D.
"	Joseph Magnant, R.
"	———, D.

Deputies

Warden,	Edward Hughes, R.
Clerk,	John H. Boyle, D.
Inspector,	Stephen F. Neary, R.
“	Patrick H. Murphy, D.
“	Stephen H. Sullivan, R.
“	Thomas Morris, D.

WARD ONE, PRECINCT TWO

Warden,	Edward P. Canny, D.
Clerk,	George B. Borden, R.
Inspector,	John J. Toomey, D.
“	Charles T. Brownell, R.
“	Daniel S. Considine, D.
“	William W. Pease, R.

Deputies

Warden,	——— ———, D.
Clerk,	William F. Chase, R.
Inspector,	John S. Harrington, D.
“	George S. Taylor, R.
“	——— ———, D.
“	——— ———, R.

WARD TWO, PRECINCT THREE

Warden,	George P. Macomber, R.
Clerk,	Lawrence H. Barney, D.
Inspector,	Charles T. Burgess, R.
“	Joseph Desmond, D.
“	Charles L. Faunce, R.
“	Asa L. H. Allen, D.

Deputies

Warden,	Edward H. Carter, R.
Clerk,	Michael McDonnell, D.
Inspector,	Edward B. Swift, R.
“	Daniel J. Dinnigan, D.
“	George E. Saxon, R.
“	Dennis H. Toomey, D.

WARD TWO, PRECINCT FOUR

Warden,	George K. Dammon, R.
Clerk,	John N. O'Brien, D.
Inspector,	Philip R. King, R.
"	John H. Ryan, Jr., D.
"	Bartholomew P. Fury, R.
"	Daniel A. Quinn, D.

Deputies

Warden,	Samuel E. Gabriel, R.
Clerk,	Thomas J. Murphy, D.
Inspector,	James H. Bamford, R.
"	Peter J. Riley, D.
"	James C. McNutt, R.
"	Albert M. Taylor, D.

WARD THREE, PRECINCT FIVE

Warden,	Joshua B. Ashley, Jr., D.
Clerk,	Charles R. Hathaway, R.
Inspector,	Henry F. Hammond, D.
"	Walter A. Jenney, R.
"	Obed S. Cowing, D.
"	Augustus G. Moulton, R.

Deputies

Warden,	James J. Finn, D.
Clerk,	Abner P. Pope, R.
Inspector,	Samuel J. Lowe, D.
"	Prince S. Borden, R.
"	Henry M. Maine, D.
"	Frederick H. Geils, R.

WARD THREE, PRECINCT SIX

Warden,	Michael A. Baker, D.
Clerk,	B. Franklin Wordell, R.
Inspector,	William E. Cooper, D.
"	Joseph C. Forbes, R.
"	William W. Atwood, D.
"	Arthur A. Dexter, R.

Deputies

Warden,	Alexander T. Stowell, D.
Clerk,	Gilbert Borden, Jr., R.
Inspector,	Henry Smith, D.
"	Samuel H. Perry, R.
"	Fred W Silver, D.
"	William York, R.

WARD FOUR, PRECINCT SEVEN

Warden,	William F. Caswell, R.
Clerk,	Walter R. Myrick, D.
Inspector,	Charles F. Grow, R.
"	Charles F. Dean, D.
"	Arthur C. Spooner, R.
"	George R. Young, D.

Deputies

Warden,	James B. Russell, R.
Clerk,	James A. Young, D.
Inspector,	Cornelius B. Piper, R.
"	Henry C. Gray, D.
"	Charles L. Ricketson, R.
"	Edwin P. Sowle, D.

WARD FOUR, PRECINCT EIGHT

Warden,	Henry A. Gray, D.
Clerk,	William B. Topham, R.
Inspector,	John W. Carter, D.
"	Frederick D. Barrows, R.
"	Thomas L. Parsons, D.
"	William E. Carroll, R.

Deputies

Warden,	George T. Macomber, D.
Clerk,	Seth W. Godfrey, R.
Inspector,	George H. Bowen, D.
"	_____, R.
"	Irwin Merrihew, D.
"	William A. Carroll, R.

WARD FIVE, PRECINCT NINE

Warden,	John C. Emery, R.
Clerk,	Charles F. F. Jones, D.
Inspector,	Antone H. Senna, R.
"	Charles D. Russell, D.
"	Charles A. Bennett, R.
"	George P. Richardson, D.

Deputies

Warden,	George F. Curry, R.
Clerk,	Frank P. P. Tuell, D.
Inspector,	Harry C. Vaughan, R.
"	Rodolphus A. Swan, D.
"	Edward P. Duggan, R.
"	———, D.

WARD FIVE, PRECINCT TEN

Warden,	Edwin L. Tillinghast, D.
Clerk,	Amos W. Hadley, R.
Inspector,	Michael T. Francis, D.
"	David M. Piper, R.
"	James J. Donaghy, D.
"	Charles A. S. Sherman, R.

Deputies

Warden,	———, D.
Clerk,	Edward M. Slocum, R.
Inspector,	James H. Miskell, D.
"	Leroy W. Swift, R.
"	John Miskell, D.
"	George E. Nye, R.

WARD SIX, PRECINCT ELEVEN

Warden,	John J. Meaney, D.
Clerk,	Leander A. Williston, R.
Inspector,	John F. Carney, D.
"	Frank T. Cooke, R.
"	William N. Nelson, D.
"	Anderson H. Swift, R.

Deputies

Warden,	John W. Spencer, D.
Clerk,	David Bromley, R.
Inspector,	Frank M. Jennings, D.
“	Maurice C. Downey, R.
“	Michael Stapleton, D.
“	Walter W. Snailham, R.

WARD SIX, PRECINCT TWELVE

Warden,	Marshall S. Greene, R.
Clerk,	Norman Barstow, D.
Inspector,	William W. Bonney, R.
“	George L. Jennings, D.
“	Francis Thorley, R.
“	William C. Demello, D.

Deputies

Warden,	Joseph Menton, R.
Clerk,	Owen J. Dowd, D.
Inspector,	Philip E. Fogarty, R.
“	Patrick J. McDonald, D.
“	William H. Greene, R.
“	Henry M. Whelan, D.

WARD LINES.

CITY OF NEW BEDFORD,
IN BOARD OF ALDERMEN,
April 25, 1895.

Ordered, That in conformity with section 96 of chapter 417 of the Acts of the Legislature of the Commonwealth, in the year 1893, the several wards of the city, until the first day of May, 1895, and until otherwise ordered, be and they are hereby divided and established according to the following described lines, to take effect January 1, 1896 :

Ward One. All that portion of the city lying north of a line beginning at the river, and drawn through the centre of Linden street to Ashland street, thence through the centre of Ashland street to Durfee street, and thence through the centre of Durfee street to the west line of the city, will constitute Ward One.

Ward Two. All that portion of the city lying between a line drawn from the river through the centre of Linden street to Ashland street, thence through the centre of Ashland street to Durfee street, thence through the centre of Durfee street to the west line of the city, and a line drawn from the river through the centre of Campbell street to County street, thence through the centre of County street to Sycamore street, thence through the centre of Sycamore street to Cedar street, thence through the centre of Cedar street to Smith street, and thence through the centre of Smith street to the west line of the city, will constitute Ward Two.

Ward Three. All that portion of the city lying between a line drawn from the river through the centre of Campbell street to County street, thence through the centre of County street to Sycamore street, thence through the centre of Sycamore street to Cedar street, thence through the centre of Cedar street to Smith street, thence through the centre of Smith street to the west line of the city, and a line drawn from the river through the centre of High street to County street, thence through the centre of County street to Kempton street, thence through the centre of Kempton street to the west line of the city, will constitute Ward Three.

Ward Four. All that portion of the city lying between a line drawn from the river through the centre of High street to County street, thence through the centre of County street to Kempton street, thence through the centre of Kempton street to the west line of the city, and a line drawn from the river through the centre of School street to County street, thence through the centre of County street to Arnold street, and thence through the centre of Arnold street to the west line of the city, including Fish and Pope's Islands, will constitute Ward Four.

Ward Five. All that portion of the city lying between a line drawn from the river through the centre of School street to County street, thence through the centre of County street to Arnold street, thence through the centre of Arnold street to the west line of the city, and a line drawn from the river through the centre of Grinnell street to Fourth street, thence through the centre of Fourth street to Washington street, thence through the centre of Washington street to Dartmouth street, thence through the centre of Dartmouth street to Grape street, thence through the centre of Oak and Grape streets to Rockdale avenue, thence through the centre of Rockdale avenue to Allen street, and thence through the centre of Allen street to the west line of the city, will constitute Ward Five.

Ward Six. All that portion of the city lying south of a line drawn from the river through the centre of Grinnell street to Fourth street, thence through the centre of Fourth street to Washington street, thence through the centre of Washington street to Dartmouth street, thence through the centre of Dartmouth street to Oak street, thence through the centre of Oak and Grape streets to Rockdale avenue, thence through the centre of Rockdale avenue to Allen street, and thence through the centre of Allen street to the west line of the city, including Palmer's Island, will constitute Ward Six.

Adopted in concurrence.

Approved by the Mayor, April 27, 1895.

VOTING PRECINCTS.

As designated and established by the Mayor and Aldermen, under the provisions of chapter 417 of the Acts of the Legislature of 1893, and the provisions of chapter 11 of the Revised Laws of the Commonwealth, to take effect Jan. 1, 1902.

Ordered, That the several wards of the city be, and they are hereby divided into voting precincts for the holding of all meetings for the choice of all officers who are elective by the people, and that the dividing lines of said precincts be as hereinafter defined.

IN WARD ONE.

All that portion of said ward lying north and east of a line drawn from a point in the channel of the Acushnet river formed by the extension of a line through the centre of Sawyer street, thence westerly in said extended line, and in the centre of Sawyer street to the easterly line of the New York, New Haven & Hartford railroad; then northerly in the easterly line of said railroad to the northerly boundary line of the city, shall be known as Precinct "A."

All that portion of said ward lying east and south of a line beginning at a point in the centre of Sawyer street, at the east line of the New York, New Haven & Hartford railroad, thence westerly in the centre of Sawyer street to its intersection with a line formed by the extension of a line through the centre of Purchase street; thence southerly in the centre of Purchase street to the centre of Weld street; thence westerly in the centre of Weld street to the centre of State street; thence southerly in the centre of State street to the centre of Linden street, shall be known as Precinct One.

All that portion of said ward lying west and north of a line beginning at a point in the centre of Linden street at its intersection with a line formed by the extension of a line through the centre of State street; thence northerly through the centre of State street to the centre of Weld street; thence easterly in the centre of Weld street to the centre of Purchase street; thence northerly in the centre of Purchase street to the centre of Sawyer street; and thence easterly in the centre of Sawyer street to the easterly line of the New York, New Haven & Hartford railroad; thence northerly in the easterly line of the New York, New Haven & Hartford railroad to the northerly boundary line of the city, shall be known as Precinct Two.

IN WARD TWO.

Said line shall begin at a point formed by the extension of a line through the center of County street at its intersection with Linden street, thence south through the centre of County street to the centre of Locust street, thence through the centre of Locust street to the centre of Chestnut street, thence south through the centre of Chestnut street to a point in said Chestnut street at its intersection with a line formed by the extension of a line through the centre of Sycamore street. The precincts in said ward being further defined as follows: All that part of said ward lying east of said division line shall be and is hereby made a voting precinct to be known as Precinct Number Three; all that part of said ward lying west of said division line shall be and is hereby made a voting precinct to be known as Precinct Number Four.

IN WARD THREE.

Said line shall begin at a point in the centre of County street intersecting with a line formed by the extension of a line through the centre of Sycamore street, thence south through the centre of County street to its intersection with a line formed by the extension of a line through the centre of High street. And is further defined as follows: All that portion of said ward lying east of said division line as drawn through the centre of County street shall be and is hereby made a voting precinct to be known as Precinct Number Five; all that portion west of said division line as drawn through the centre of County street shall be and is hereby made a voting precinct to be known as Precinct Number Six.

IN WARD FOUR.

Said line shall begin at a point in the centre of Kempton street at its intersection with a line formed by the extension of a line through the centre of Summer street, thence south through the centre of Summer street to its intersection with a line formed by the extension of a line through the centre of Elm street, thence west through the centre of Elm street to the centre of Cottage street, thence south in the centre of Cottage street to a point at its intersection with a line formed by the extension of a line through the centre of Arnold street. And is further defined as follows: All that portion of said ward lying east of said division line shall be and is hereby made a voting precinct to be known as Precinct Number Seven; all that portion lying west of said division line is hereby made a voting precinct to be known as Precinct Number Eight.

IN WARD FIVE.

Said line shall begin at a point in the centre of County street and in the centre of School street, thence south in the centre of County street to the centre of Russell street, thence east in the centre of Russell street to the centre of South Sixth street, thence south in the centre of South Sixth street to its intersection with the centre of County street, thence in the centre of County street to its intersection with a line drawn through the centre of Washington street. The precincts in said ward being further defined as follows : All that portion of said ward lying east of said division line shall be and is hereby made a voting precinct to be known as Precinct Number Nine ; and all that part of said ward lying west of said division line shall be and is hereby made a voting precinct to be known as Precinct Number Ten.

IN WARD SIX.

Said line shall begin at a point in the centre of Fourth street at its intersection with the centre of Grinnell street, thence south in the centre of Fourth street to the centre of Rivet street, thence westerly in the centre of Rivet street to the centre of County street, thence southerly in the centre of County street to Clark's Cove, so called. The precincts in said ward being further defined as follows : All that portion of said ward lying east of said division line shall be and is hereby made a voting precinct to be known as Precinct Number Eleven ; all that portion of said ward lying west of said division line shall be and is hereby made a voting precinct to be known as Precinct Number Twelve.

Adopted.

FIRE DEPARTMENT

CHIEF ENGINEER

*FREDERICK MACY, Term expires April, 1908
 EDWARD F. DAHILL, to fill vacancy, Term expires April, 1908
 Office, City Hall Building

ASSISTANT ENGINEERS

First — JAMES J. DONAGHY, Term expires April, 1906
 Second—WILLIAM E. WATSON, JR., Term expires April, 1906
 Third — WILLIAM A. GIBBS, Term expires April, 1905
 Fourth—ROBERT WOOLFENDEN, JR., Term expires April, 1908

CLERK OF BOARD OF ENGINEERS

†FRED B. MACY

*Deceased. †Resigned.

MEMBERS OF THE NEW BEDFORD PROTECTING SOCIETY

(Special Police Officers, to serve at fires)

Akin, Thomas B.	Hadley, A. W.	Penney, Edward F.
Allen, George H. H.	Hammond, Edgar B.	Pierce, Edward T.
Allen, Gideon	Hammond Henry F.	Pitman, William H.
Bamford, James H.	Haskell, Charles M.	Potter, William F.
Bamford, William	Holden, Charles H.	Read, William F.
Bennett, George W.	Howard, Henry, Jr.	Robbins, Arthur E.
Bentley, Lewis E.	Howland, John J.	Robinson, William A.
Blossom, Simpson J.	Hoye, James H.	Rotch, Morgan
Bly, O. Frank	Humphrey, J. L., Jr.	Richardson, Louis H.
Bonneau, Francis A.	Hutchinson, Henry S.	Sandford, Gardner T.
Bourne, Standish	Kelley, Charles S.	Smith, Alexander T.
Burt, Henry P.	Kingman, G. D.	Snow, Robert
Coe, Isaac H., Jr.	Knowles, Thomas H.	Sullivan, Daniel J.
Coggeshall, R. C. P.	Lawton, Charles H.	Taber, Frederick
Cook, Otis P.	Lewis, Edgar R.	Taylor, William T.
Denison, Henry C.	Lowe, John H.	Thilo, F. E.
Dias, Joseph	Macy, Frederick B.	Thornton, Alfred
Dunham, Ernest A.	Macy, George I.	Vincent, Mark T.
Eldridge, John, Jr.	Macy, J. Roland	Washburn, Fred'ic A.
Francis, James P.	Manchester, Phil'd'r F.	West, William R.
Gardner, Edward R.	Maxfield, Edmund F.	Wilbor, Alfred G.
Gifford, Charles H.	Nye, Willard, Jr.	Wilde, Edmund L.
Gifford, Frank H.	Parker, David L.	Wood, Edmund
Gifford, Thomas J.	Paine, Charles L.	Wood, Horace
Green Everett	Peirce, Stephen D.	Wood, Thomas F.

POLICE DEPARTMENT

CHIEF :

HENRY W. MASON

DEPUTY CHIEF :

JAMES L. WILBER

CAPTAINS :

JOHN C. PARKER,
Day Force

ARTHUR H. JONES,
Night Force

LIEUTENANTS :

LEMUEL D. ADAMS
SETH E. BRYANT
THOMAS W. COMSTOCK
THOMAS FAY

CHARLES L. MCBAY
THOMAS J. TAFT
JOSEPH B. WING

INSPECTORS :

FRANKLIN L. HATHAWAY

GEORGE E. GENDRON

SERGEANTS :

EDMUND FOLEY
CHARLES C. GIFFORD
JEREMIAH MCCARTHY

WILLIAM E. ROSCOE
HARRY D. STOW
WILLIS C. UNDERWOOD

CLERK :

HENRY N. WEST

COURT AND COMMITTING OFFICER :

LIEUT. LEMUEL D. ADAMS

EMERGENCY OFFICER, STATION ONE :

PATRICK KENNEDY

HEALTH OFFICER :

WILLIAM E. MACOMBER

MATRON :

MRS. SARAH M. BROWNELL

PATROLMEN :

Aldrich, Oscar F.	Loftus, Anthony
Allen, Charles E.	Lowther, George H.
Allen, Edward	McCarthy, Edward
Allen, Robert N.	McDonald, Daniel J.
Almond, Walter	McDonnell, James
Almond, William, Jr.	McDonnell, Patrick
Atwood, William W.	McEnnis, Robert B.
Benoit, William R.	McLeod, Samuel D.
Callanan, Thomas F.	Meehan, Daniel
Cannavan, Patrick	Mosher, Albert E.
Church, Charles B.	Murphy, Cornelius J.
Clough, George H.	Nickerson, Charles F.
Clark, Ulysses L.	Nye, Frederick L.
Cole, William T.	Oliver, John F.
Cowing, William J.	Pinkham, George W.
Cox, James M.	Raymond, Hiram E.
Dahoney, Thomas	Remington, Frank L.
Daley, Jeremiah E.	Ricketson, Harrison D.
Demers, Frank E.	Rooks, Albert H.
Deneen, Daniel	Rooks, John C.
Dodds, James	Russell, Eugene F.
Doherty, Edward P.	Savage, James W.
Durant, Lawrence J.	Sharples, Smith
Earley, Edward C.	Smith, Andrew J.
Eldridge, Washington A.	Smith, Charles F.
Fowler, William	Spooner, John C.
Gibbs, Nathaniel F.	Sullivan, James H.
Haffords, Stephen, Jr.	Sullivan, Timothy
Harrington, Daniel	Sweeney, Daniel P.
Holloway, Arod B.	Sylvia, Frank W.
Howland, William A. E.	Taber, Jeremiah M.
Humphrey, Daniel J.	Tripp, Chester L.
Ivey, James A.	Vogel, Robert F.
Karcher, Frederick	Welsh, William
Kenney, Patrick	Willis, Rufus H.
Lawrence, George H.	Winslow, George F.
Lee, Allen L.	Wixon, James A.

HARBOR POLICE :

JOSEPH De L. SISSON

RESERVE POLICE :

Allen, Robert E.	Head, Edward E.
Ashley, Henry T.	Henderson, Joseph C.
Breault, Narcisse A.	Horton, Eliphalet M.
Brightman, Ellery E.	Hynes, Edward A.
Caswell, Charles A.	Lamott, Benjamin
Connell, Daniel C.	Mack, Thomas E.
Craft, James F.	Maguire, Patrick J.
Crapo, Albert A., Jr.	McKinstry, Albert E.
Cushing, William S.	Murdy, Robert H.
Daley, Charles F.	Place, Joseph A.
Downey, Daniel	Ratcliffe, Robert B.
Dupuis, Wilfred H.	Sullivan, Matthew
Fay, John H.	Timber, Geo. W.
Gay, Harry M.	Wilcox, Seth A.
Glennon, Wm. F.	Williams, Benjamin F., Jr.
Hayden, Abram L.	

WAGONMEN :

John M. Jones	George W. Paige
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DRIVERS :

Edward F. Jennings	William M. Ryan
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HOUSEKEEPERS :

Arnett, Henry	Mitchell, William H.
Arnett, James W.	Stevens, Henry
Dayton, Luther M.	Vogel, George
Manchester, John B.	Wilson, Thomas H.
McDonnell, Patrick	

JANITOR :

Moses C. Drew

CONSTABLES :

The Members of the Police Force and

Dean, John H.	Perry, Samuel C.
McDonnell, Michael	Spooner, Arthur C.
Moore, Lewis S.	Blair, John K.
Patnaude, Joseph C.	

KEEPER OF THE LOCKUP :

James L. Wilber

PROBATION OFFICER :

Edward Williams

SPECIAL POLICE OFFICERS :

Baker, Daniel W.	Donaghy, Joseph
Bartel, Leopold	Driscoll, Patrick J.
Bentley, Frank T.	Duckworth, Wm. A.
Berry, James H.	Duffy, Thomas
Bliss, Frederick P.	Durfey, Richard T.
Bliss, William H.	Eldridge, Samuel T.
Booth, Benjamin T.	England, George
Borden, Prince S.	Etchell, Edward
Broadbent, Samuel S.	Fay, Miles H.
Brown, William L. G.	Ferguson, Joseph
Buckley, Alfred R.	Ferguson, William
Burgess, Stephen	Finn, Michael
Burke, Michael I.	Fitzgerald, James
Burke, William	Fournier, Napoleon J.
Butts, Henry R., Jr.	Francis, Frank W.
Callahan, John	Fuller, Jonathan A.
Chipman, James F.	Garant, Joseph
Clark, William	Garvin, Patrick F.
Clarkson, Nicholas J.	Geddis, Henry S.
Clynes, Thomas	Gibbs, Preston H.
Collins, John	Gibbs, William H. H.
Conklin, Abraham	Gifford, John
Connelly, Daniel J.	Glennon, Thomas F.
Corish, John	Greene, Marshall S.
Corley, Maurice C.	Hammer, Frederick M. (vet.)
Cornell, Charles F.	Harrington, Cornelius
Cornell, Sydney I.	Harrington, J., Clark street
Crafts, James	Holloway, James T.
Cronin Cornelius	Holmes, Ezra
Dammon, George K.	Holmes, John J.
Davenport, Charles H.	Houle, Dolor A.
Dean, Thomas F.	Howland, William G.
Deverik, John H. (vet.)	Hurl, Daniel
Devoll, George H.	

Johnson, Oscar	Quinn, Joseph
Johnson, W. H., Smith street	Rau, Gustavus L.
Joseph, John	Read, George P.
Karcher, Fred'k, Sr.	Read, Richard A.
Kelley, Hiram C.	Remington, John G.
Kennedy, Augustus M.	Reynolds, James R.
Kennedy, Thomas	Richie, David
Kent, James D. T.	Russell, James B.
King, Joseph T.	Sadler, William G.
Lapham, George W.	Salmon, John
Lawrence, Cyrus T.	Saxon, James H.
Leary, Dennis, Jr.	Shea, Michael J.
Little, Frank	Smith, Henry
Little, John E.	Smith, Henry H.
Lumbert, John	Spicer, Robert H.
Luther, Joseph P.	Staples, Ellis
Mathers, Joseph (vet.)	Stephens, Michael
Macomber, H. M.	Tallman, Edward S.
Miller, George	Taylor, William A.
Morgan, Elias T.	Taylor, William J.
Morrison, Thomas	Thomas, Edward, Jr.
Netcher, George F.	Thompson, Thomas
Nicholson, John B.	Tripp, Benjamin E.
Nye, George E.	Tripp, Leroy G.
Oliver, John	Ward, David G. F.
Palmer Robert	Warfield, James H.
Parker, Charles W.	Waters, Charles O.
Partington, William	Watts, William H. C.
Peckham, Samuel W.	Weeden, Charles H. L.
Peirce, Anthony, Jr.	Wilbur, Allen R.
Perry, Samuel C.	Wilcox, Wm. H. (vet.)
Phillips, Henry T.	Wiley, James
Pierce, Thomas H.	Williston, Hiram I.
Pinelle, Joseph	Wilson, John
Place, William J.	Wood, James A.
Pollock, John H.	

MEASURERS OF WOOD AND BARK :

Allen, D. Edward	Comey, Charles M.
Ashley, Roland R.	Coxen, Charles H.
Ashley, Andrew J.	Notter, John
Borden, Harrison T.	Potter, Edwin L.
Brownell, Chas. H.	Rodman, Frank P.
Buffinton, Lynton M.	Snell, Geo. A.
Cobb, George A.	Taber, Edward C.

SURVEYORS OF LUMBER :

Beetle, John H.	Doane, Joshua G.
Chase, Abram	Gray, Charles A., Jr.
Croacher, Thomas	Jennings, Ralph A.
Desmond, William F.	Murphy, Patrick

MEASURERS OF GRAIN :

Jennings, Ralph A.	Rodman, Frank P.
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WEIGHERS OF COAL :

Briggs, Arthur S.	Lindsey, Robert
Butts, Frank A., Jr.	Mitchell, George
Butts, James D.	Nooning, Isabel F.
Coe, William A.	Percy, T. A.
Comey, Charles M.	Raymond, William D.
Cook, Charles E., 2d	Rodman, Frank P.
Day, Thomas E.,	Russell, Pardon, Jr.,
Dunham, Zacheus C.	Soule, Rufus A., Jr.
Forbes, Joseph C.	Spencer, Walter G.
Gardner, William B.	Terry, Herbert C.
Gifford, Chas. H.	Tripp, Jabez D.
Gile, John F.	Wood, John
Gray, Charles A., Jr.	Wordell, Wilson I.
Hathaway, B. F., Jr.	Young, Orville E.
Jennings, Ralph A.	

PUBLIC WEIGHERS :

Almy, Walter C.	Blossom, Alonzo C.
Ashley, Moses E. H.	Bolton, Wright
Ashley, Roland R.	Bouvier, Joseph A.
Bariteau, Joseph L.	Bradford, Edgar V.
Bartlett, Robert W.	Briggs, Arthur S.
Bassett, James F.	

Brownell, Charles H.	Gosselin, Henry
Budgen, Alfred	Gray, Charles A., Jr.
Buffinton, Lynton M.	Haggerty, Michael
Butts, Frank A., Jr.	Hamlin, Mitchell
Butts, James D.	Harney, John
Byrne, James	Hathaway, B. F., Jr.
Chace, John A.	Hawes, George W.
Cobb, George A.	Hayden, Edward D.
Coe, William A.	Hess, Christian
Collins, John	Hitch, Frank B.
Comey, Charles M.	Jenney, William T.
Comisky, John	Jennings, Charles E.
Cook, Chas. E., 2d	Jennings, George L.
Cooper, Albert	Jennings, John W.
Coughlin, Emmett P.	Jennings, Ralph A.
Curtis, Daniel J.	Jordan, Frank C.
Cushing, Joseph B.	Kiernan, James F.
Cushman, Everett M.	King, Joseph F.
Davis, Edwin F.	Kinney, E. D.
Day, Thomas E.	Lagasse, Telesphore
Deneault, Moise, Jr.	Lambert, Edmund A.
Dias, Joseph, Jr.	Langshaw, John P.
Donaghy, James J.	Lees, Lewis
Dion, Walter	Lees, William
Donahue, Joseph F.	Lewis, Edgar R.
Donley, Wm.	Lewis, Marshall F.
Dow, Wm. A.	Lindsey, Robert
Downey, Abraham	Lyons, John
Dunham, Zacheus C.	Maloney, James
Edwards, Charles F.	Manning, W. H.
Findlay, Thos. S.	Marsden, Nelson H.
Foley, Timothy	Mitchell, George
Forbes, Joseph C.	Neagus, John P.
Francis, Frank T.	Newcomb, Michael
Frates, Joseph	Nooning, Isabel F.
Gallagher, Wm.	Paul, George H.
Gardner, Wm. B.	Percy, T. A.
Gifford, John I.	Perry, John
Gifford, Chas. H.	Pierce, David H.
Gile, John F.	Pool, William H.
Gilmore, Thomas	Potter, Albert L.
Girvan, Douglass	Potter Edwin L.

Raymond, William D.	Sylvia, Antone L.
Reed, John	Taber, Edward C.
Reynolds, Willard E.	Tarr, Abijah J.
Reynolds, William	Terry, Herbert C.
Robbins, Harry	Thompson, Gilbert T.
Robinson, Frank J.	Thompson, Robert
Rodman, Frank P.	Tomlinson, Peter
Rose, Frank	Tripp, Desmond W.
Russell, Pardon, Jr.	Tripp, Elliott S.
Sherman, Edward R.	Tripp, Jabez D.
Smiley, Frederick G.	Tripp, John E.
Smith, Frank	Tucker, Geo. C.
Smith, Henry H.	Vance, Walter R.
Smith, Thomas D.	Wainer, George
Smith, William	Walton, Ephraim
Soule, Rufus A., Jr.	White, Peter
Spencer, Walter G.	Wilson, Wallace B.
Stanton, John C.	Winn, Stephen
Sullivan, Jeremiah T.	Wood, John
Sullivan, Peter F.	Wordell, Wilson I.
Sullivan, William H.	York, Joseph
Swazey, Antone E.	Young, Orville E.
Swift, Charles	

WEIGHERS OF BOILERS AND HEAVY MACHINERY :

Briggs, Arthur S.	Nooning, Isabelle F.
Butts, Frank A., Jr.	Raymond, Wm. D.
Cook, Charles E., 2d	Russell, Pardon, Jr.
Forbes, Joseph C.	Soule, Rufus, A., Jr.
Gifford, Charles H.	Spencer, Walter G.
Gray, Charles A., Jr.	Wilson, Wallace B.
Jennings, Ralph A.	Wood, John

FENCE VIEWERS :

Cobb, George A.	Tuell, Joseph B. C.
Russell, John A.	Young, James A.

FIELD DRIVERS :

The Police	John B. Manchester
Wm. H. Johnson (Smith st.)	

POUND KEEPERS :

Arnett, James W.	Humphrey, Daniel J.
Cook, George H.	Manchester, John B.
Dayton, Luther M.	Wilson, Thomas H.
Dufresne, Adolph	

BOARD OF LICENSE COMMISSIONERS.

JOHN O'NEIL,	Term expires June, 1906
FRANK M. SPARROW,	Term expires June, 1908
JOHN A. BANNISTER,	Term expires June, 1910
FRANK M. SPARROW,	Chairman

1904. CITY DOCUMENT. No. 3.

CITY OF NEW BEDFORD, MASS.

THIRTY-FOURTH ANNUAL REPORT

OF THE

NEW BEDFORD WATER BOARD

TO THE

CITY COUNCIL

CONTAINING

I.

The Report of the Water Board for 1903.

II.

The Report of the Water Registrar.

III.

The Report of the Superintendent.

DECEMBER 31, 1903.

NEW BEDFORD:

THE A. E. COFFIN PRESS, CITY PRINTERS,
1904.

NEW BEDFORD WATER BOARD.

1904.

CHARLES S. ASHLEY,

Mayor of the City.

SAMUEL HIGHAM,

President of the Common Council.

ROBERT W. TABER,

*GEORGE H. HEDGE,

ZEPHANIAH W. PEASE.

CLERK OF THE BOARD, AND SUPERINTENDENT,

ROBERT C. P. COGGESHALL.

WATER REGISTRAR,

CLIFFORD BAYLIES.

FOREMAN,

JOHN C. DEMELLO, JR.

PUMPING STATION.

ADONIRAM S. NEGUS, *Pumping Engineer.*

INSPECTORS,

JOHN B. WILBUR,

GILBERT B. BORDEN, JR.,

ALONZO W. SPOONER,

FRANK M. HAMLIN.

*Resigned January 14th, 1904.

REPORT.

CITY OF NEW BEDFORD,
OFFICE OF THE NEW BEDFORD WATER BOARD,
DECEMBER 31ST., 1903.

To the City Council of the City of New Bedford :

GENTLEMEN:—The New Bedford Water Board herewith presents its thirty-fourth annual report.

The Board has largely devoted its attention during the past year to maintaining the general efficiency of the department and making a substantial addition to the distributing system. Three hundred and fifteen new supplies have been placed. This largely exceeds the record of any previous year since 1897, and indicates that the unusual activity in various building operations predicted in our last report, has been realized. The extension of such supplies is naturally followed by an increase in the daily consumption. This now averages close to seven million gallons, an increase of about one million gallons in five years. We have no concern regarding the lack of supply at the pumps for many years to come, but we do feel that this gradual increase is unduly hastening the day when the placing of an additional main from High Hill Reservoir to the City will become an imperative demand. This means a substantial outlay. We are fully persuaded that a large proportion of each daily supply is not used legitimately. Large volumes are allowed to run to waste.

There appear to be many takers who fail to appreciate that the City water pumped into the reservoir, conducted to the City and delivered into the premises of the takers has a value; that every gallon wasted represents the useless consumption of a certain amount of coal, and that this gradual increase will finally compel the large outlay alluded to above. Whatever can be done to confine the consumption within its present limits is a move in the right direction. At this time we wish to emphasize the remarks in our last report regarding the City itself as a water taker. We feel that if there were a better example, than now exists, in the proper use of water, by the various City Departments, it would be conducive in obtaining improved results from other takers of wasteful tendencies. The employment of water power to operate the ventilating systems in our public schools, seems to us an extravagant method, and the time will come when the maintenance of these devices will mean an addition to our fixed annual expenditure. Since the flat rate to the City remains unchanged in the face of the increasing water consumption in the City Departments, this seems not to be generally realized, but it is to the increasing disadvantage of this Department in widening the difference between the annual receipts and expenditures.

The attention of this Board was called early in the year to the damaged condition of the wrought iron service pipe supplying the Engineer's house in East Freetown. This was due to electrolytic action. The service pipe in question taps the large steel force main a short distance north-easterly from the point where this main crosses the Middleboro Road. The greater part of its length is located within the limits of the Middleboro Road and is parallel to the tracks of the Old Colony Street Railroad for a considerable distance. At the point where it passes beneath Whitestone Brook, sections were found to be completely destroyed. While similar action had not been

observed elsewhere, the importance of a thorough investigation appealed to the members of this Board. At the meeting of May 6th, action was taken directing an examination into the electrolytic condition of the entire distributing piping. The report of the expert, Mr. A. A. Knudson, E. E., who conducted this investigation, was received by us on September 4th. We herewith present this report in full. The most important damage point discovered by Mr. Knudson was in the steel force main where it crosses the tracks of the Old Colony Street Railroad Company at the Beaver Dam, nine miles north of the City Hall. This required immediate attention, and as the result of an interview with a representative of the Old Colony Street Railroad Company, that company has since engaged in the work of re-bonding its tracks and the placing of a overhead return current cable with frequent connections with the rails, for a considerable distance. This is a move in the right direction and is expected to do much in the elimination of the trouble. We regard it as fortunate for all concerned that this discovery was made in season to prevent the corrosion from progressing to a more serious stage.

REPORT ON INVESTIGATION FOR ELECTRO-
LYSIS OF WATER PIPES IN THE CITY
OF NEW BEDFORD, MASS.,

BY A. A. KNUDSON, E. E.,
34 Nassau Street, New York City.

CONTENTS.

Preliminary report pertaining to Electrolysis upon steel Force Main, dated June 8th, 1903.

Complete report pertaining to Steel Force Main. Also survey and examination of piping system of the City of New Bedford.

EXPLANATION OF TERMS IN THE REPORT.

Positive or (+) indicates electricity leaving the metal referred to.

Negative or (—) indicates electricity entering the metal referred to.

Where currents of electricity leave a metal, damage by electrolysis is caused. Not where it enters.

ADDENDA.

Tables of potential tests and current readings with maps.

WATER REPORT.

7

June 8th, 1903.

PRELIMINARY REPORT No. 1.

R. C. P. COGGESHALL, ESQ.,
Supt. Water Works,
New Bedford, Mass.

Dear Sir:—Herewith please find our report of an examination made at your request of the 48" steel force main, which is a part of the Water Works System of New Bedford, said examination being to determine if the same is being damaged or in danger of being damaged by electrolysis, due to railway currents.

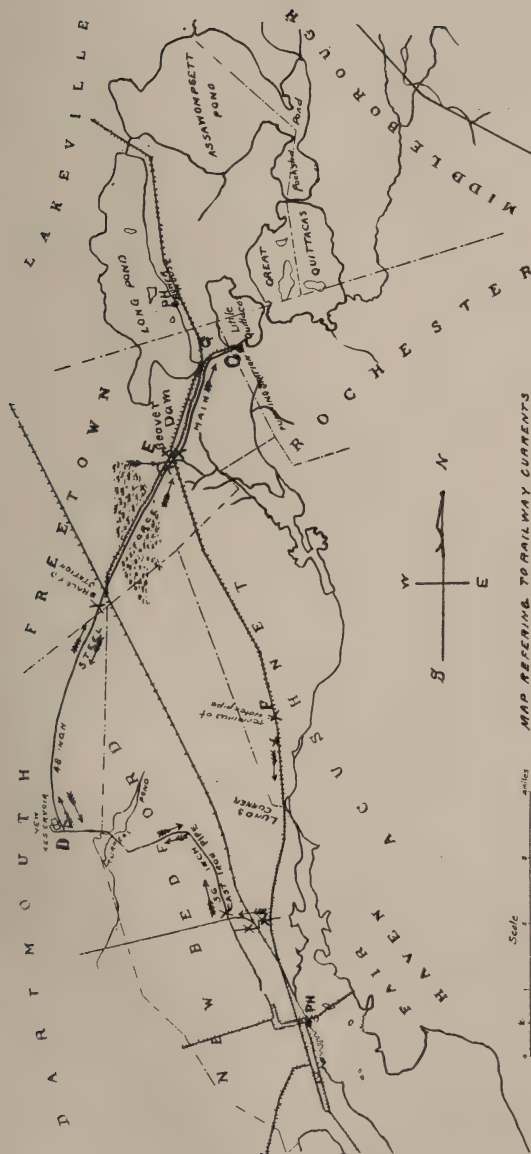
Reference is had to the enclosed map prepared under your direction, showing the position of this main and also position of the electric railway, which is operated by the Old Colony Street Ry. Co.

As a result of the tests and electrical measurements made during our two days' investigation, the 27th and 28th of May, 1903, we find that currents of electricity from the railway line mentioned are passing to the steel main in the vicinity of Beaver Dam, at E, (see map) where the tracks of the electric railway cross over the main, and also cross the tracks of your own road. It is also found that these currents flow through the main in a northerly direction for about two miles, and then passes off to a 2" wrought iron pipe which runs westerly to the road upon which are the electric railway tracks and thence to the engineer's residence. The point where this pipe has been frequently destroyed by electrolysis was where it passed under the rails of this road, and near

Whitestone Brook, at G, upon the map. For this reason, electrical measurements were made to ascertain the amount of current flowing through and from it. This being a wrought iron pipe with screw couplings, it was uncoupled, after turning off the water, and a reading taken by the direct method. This was found to range between 2 and 7.6 Amperes, the most of the time during the test between 5 and 6 Amperes. The voltage between the ends of the pipe was from 4 to 18 volts. The difference of potential between pipe and rails, with pipe positive, was 20 to 44 volts.

Tests at Beaver Dam, nearly two miles south of this point (E) at the manhole, where portions of this main is accessible, and where a current reading was obtained by the "fall of potential" method, resulted in finding a current of from 0 to 6.25 Amperes. It will be noted that this latter reading corresponds very closely to that by the direct method at (G) and establishes the point very nicely, that practically all of the current which enters the force main at, or east of, the Beaver Dam crossing, comes out from this 2" pipe to the rails at G. A small flow of electricity upon the force main was discovered passing east towards the Pumping Station and to the Lake, but not of sufficient amount to be considered dangerous. This, no doubt, finds its way through the lakes to the Power House "grounds" at the large lake called Long Pond, where the Power House is situated.

Tests made at Beaver Dam between the main and rails at different times during the two days, show an exceedingly varying condition, due to the position of the cars upon the line; for instance, when a car was north of this point, the readings taken on the first day ranged from 4 to 14 volts, main negative. When a car was south of this point, there would be an occasional reversal to not above 1.5 volts, main positive.



MAP REFERRING TO RAILWAY CURRENTS
UPON STEEL BRIDGE MAIN, NEW BEDFORD, MASS.

X Indicates point where tests were made upon Mains. Arrows show direction of current flow in Mains.

On the second day in the afternoon, these tests were repeated, when the main was found almost continually positive to the rails, with a range of from 6 to 25 volts when a car was south. As the main at this point rests in water, these conditions if continued any length of time, would mean certain damage to it by electrolysis at some point in this vicinity, and as it was supposed, the most likely place for such damage would be near where it passes under the tracks of the electric railway, the main was uncovered at the east side of the track and examined. No damage, however, was discovered. It is quite possible that the current indicated upon this main is leaving it at some other point further west, and passing to the tracks of your own road, thence to the trolley rails where they join at the crossing.

How this return current finds its way into this main, cannot be stated definitely without further examination, but from a careful study of the maps covering this territory, together with your description of the location of mains, etc., we find there is a path by which it may go through the large cast iron main from the City to the High Hill Reservoir, thence to and through the force main when a car or cars are on that portion of track south of Beaver Dam.

The force main was uncovered at another point at about 300 feet south of Middleboro Road, where it is nearest, and parallel to the south of the trolley road and carefully examined. No damage, however, was found, and it is safe to conclude that none of the current found upon this part of the main leaves it latterly, except through the 2" service pipe.

SUMMARY.

1st. The tests and examinations at points (G and E) result in finding a current of an average of 5 Amperes

flowing north on the force main between these points and led off from the main to the tracks of the railway by the 2" service pipe, which accounts for this pipe being frequently destroyed at this place. While this amount of current is comparatively small, it is quite sufficient to cause the damage it has.

2nd. Tests and other examinations indicate that this small current flowing north between G and E, is only a remnant, in other words only a portion which slips past the crossing at Beaver Dam. The main part, we believe, goes by way of the Reservoir, when cars are south of Beaver Dam, and the most of it passing out of the main at some point not yet discovered, west of the crossing.

In regard to remedy, the writer has carefully read the recent correspondence between yourself and Mr. Robert S. Goff, General Superintendent of the O. C. Ry. Co., looking to this end; one extract from Mr. Goff's letter of May 18th, 1903, puts the matter concisely from the railway point of view: "Our electrical department recommends that the track be bonded to the water pipe at Whitestone Brook and a distance of several thousand feet beyond."

In your reply under date of May 19th, and also reply to another letter under date of May 23rd, I cannot too strongly endorse the position which you have taken. One extract quoted from your letter of May 19th, covers this position: "In my opinion, the City of New Bedford will not be at all content for you to prevent further electrolysis by making our water pipes a direct medium for the conveyance of your return current."

It is not unusual for railway companies to advise this method, it being the least expensive of any for avoiding the trouble, but such a scheme as converting your force main, a splendid steel structure, into a medium for returning railway current, should not be seriously considered for a moment, for the following reasons:

First. There would be no guarantee that the connections in wet soil on pipe or rails would remain perfect, any length of time, any more than rail bond connections remain perfect.

Second. Any considerable flow of current through this main, must in time cause corrosion and disintegration at many of the riveted joints.

Third. If such connections were made, a much larger amount of current would flow through it than at the present time, increasing the possibility of damage.

In view, therefore, of the importance of this matter, involving, as it does, the possibility of endangering the health and convenience of the people of a large city, in case of sudden failure of water, this question of the force main being menaced by electrolysis, should be so settled as to leave no apprehension in the minds of the authorities for the future.

The complete remedy is an insulated return, or better known as the double trolley; in such a system there is no connection with the rails or earth, and consequently there is no current passing to underground mains. Methods for mitigating the evil may be advanced by the railway people, such as a system of supplementary track feeders over the entire line and rebonding tracks. Unless such a method were very carefully and well constructed, it is doubtful if such a plan could give the assurance of permanent safety.

In any event, the bonding of this main to the rails should not receive consideration for reasons stated.

Respectfully submitted,

A. A. KNUDSON.

August 18th, 1903.

REPORT No. 2,— Completed.

R. C. P. COGGESHALL, Esq.,
Supt. Water Works,
New Bedford, Mass.

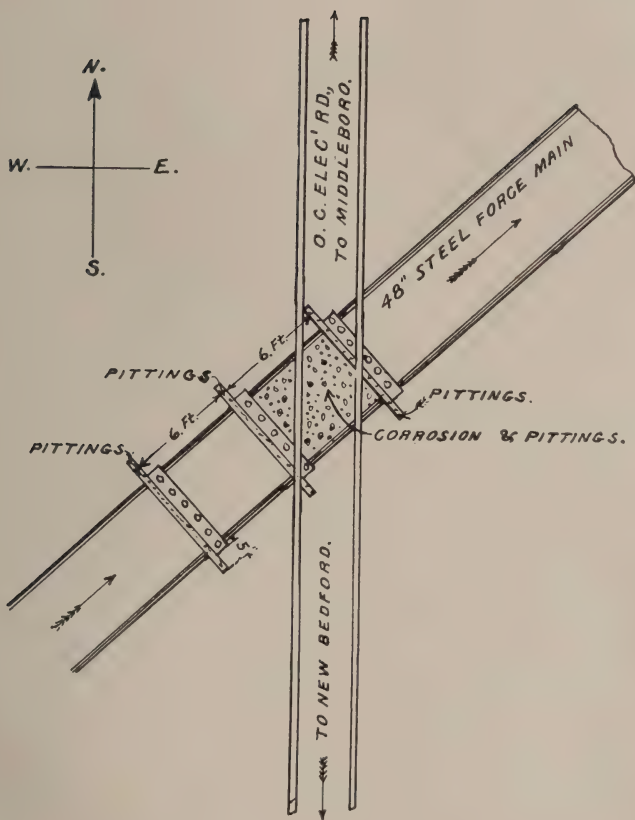
Dear Sir:— We herewith present our complete report of the investigation for electrolysis upon the steel force main, and also the survey and investigation upon the piping system of the city.

As the foregoing preliminary report dated June 8th, 1903, refers exclusively to the steel main, this part of the subject will first be completed.

It is intimated in the report that a possible path for the returning current to the Lakeville Power House, would be by way of the main in Acushnet avenue, south to the large distributing mains in the northern part of the city; thence westerly through the 36" main to the Reservoir, and 36" by-pass to the steel main; thence to some outlet west of Beaver Dam, crossing at that time undiscovered.

Further investigation shows this surmise to be correct as per the following explanation. At the following points the mains were uncovered (excepting Acushnet avenue) and current readings obtained.

Acushnet avenue, south of Ball's corner, test for direction only. Dean street, corner of Bowditch; Purchase avenue, west of Purchase street; Mt. Pleasant street, north of railroad crossing; and new Reservoir at High Hill.



POSITION OF FORCE MAIN UNDER TRACKS ELEC'RY,
AT BEAVER DAM.

A. A. K. 34 NASSAU ST., N. Y.

The current readings are recorded in the table of tests at each place they were taken. [See Addenda]. A direction test was also made at Braley's Station in the Gate Vault, and several other tests at and near Beaver Dam.

The flow of railway current upon the steel main has been found to be in both directions, that is to say, when a current reading was being taken — for instance, the one at the Reservoir — the flow was north, but would occasionally reverse; all of the other current readings have this same feature, the potential readings at Beaver Dam, between main and rails, also show reversals.

From these and other tests, we are able to identify the source of railway current upon the steel main, and other mains, as from the Power House at Lakeville. These reversals of current are due, we believe, to the movements and position of the cars, as to being north or south of the point where they cross the steel main at Beaver Dam.

After all of the above tests were made, the evidence pointed strongly that the natural outlet for this current would be under the rails at Beaver Dam, and although this main was uncovered and examined on the east side of the track during our first or preliminary examination, and no damage found, it was determined to have a more careful inspection. It was therefore uncovered at the west side of the track and also under the rails.

The position of the main and tracks are represented by accompanying sketch. The flanges shown upon the main are 5" deep and $\frac{7}{8}$ " thick, and are to give additional strength to the main under the road and tracks.

Damage by electrolytic action was discovered upon the main between the two flanges under the tracks, fortunately the corrosive action has not extended to any great depth, the deepest pittings so far as found not exceeding $\frac{1}{8}$ ".

The action upon the edges of the flanges, however, was considerable, at one point a pitting was discovered on the upper part of the flanges furthest west $\frac{1}{4}$ " in depth, and all of these flanges showed more or less damage at their upper edges. Supt. Coggeshall and Engineer Negus were present at this examination. There are two reasons in the opinion of the writer why this main has not failed at this point through electrolysis before.

1st. The presence of the flanges: the most of the current when leaving, passing out from their upper edges to the rails.

2nd. The main is not continuously positive to the rails. There are frequent reversals, and the positive readings, although reaching at times as high as 25 volts, are of short duration.

The electrical conditions, however, as found, are considered dangerous, and if continued, will doubtless cause a break in the main at this point, which to repair, may necessitate the removal of the tracks and cause great trouble and expense. In regard to remedy:

A conference was held at your office on the afternoon of the 28th of July, with the following persons present: His Honor, Mayor Charles S. Ashley, Chairman of the Board; Samuel Higham, Esq., Member of the Water Board; Supt. Coggeshall, Mr. Wm. E. Keating, E. E., O. C. Ry., representing the Railway Co., and the signer of this report.

The electrical conditions above mentioned were explained in detail to Mr. Keating. As a remedy, he suggested the bonding of the main to the rails at the Beaver Dam crossing. This was objected to for reasons already set forth in our former report. After further discussion, Mr. Keating agreed to complete re-bonding the rail joints, which had been commenced, and to place upon the poles an auxiliary track return, beginning at a point north of Beaver Dam and extending south to a point

beyond the terminus of the pipe line in Acushnet avenue, tapping the rails at intervals along the line. While this improvement in the track return should result in modifying the dangerous conditions existing at the present time, it was made plain that under the single trolley system, used by the Railway Co., no method looking to improvement could be accepted as final on the part of the city, as the possibility of further defects or failures in the track return would still remain. It was decided, however, to await the result of this change which Mr. Keating felt confident would remove all of the current from the mains.

The following is a review of the voltmeter survey, made throughout the city in the same order as the table of tests which are referred to.

ACUSHNET AVENUE.

Beginning at Monmouth street, (F) the terminus of the pipe line, the tests were made at about every second hydrant south through the entire street.

The readings were continuously negative throughout the street, the highest found at Dean street, showing a maximum of 14.5 volts. Average 8.7. The readings as will be observed are fairly high down to this point, and much lower south.

FRONT STREET LINE.

This a branch of the Acushnet avenue line and the readings are quite similar where they parallel that line.

The Purchase street line shows no features of special importance, the highest reading found being at Merrimac, 4.3 volts.

The same may also be said of the line running through Fourth street.

BROCK AVENUE LINE.

This line south of Rivet street shows both positive and negative readings to the terminus at Marine avenue, which is also the terminus of the 8" pipe. The positive readings generally prevail when cars are at a distance from the points of test. When cars are in the vicinity, however, there is a reversal to negative or flow from rails to mains. This owing to negative readings being higher than the positive.

Under the circumstances it was thought best to make an inspection of the main where the highest positive readings prevailed, and the same was uncovered at a point 800 feet north of the terminus. A small flow of current through the main was discovered in both directions, 0.4 of an Ampere north, and 0.7 south. Some corrosion found upon the iron near the lead packing of a joint, but too slight to pronounce electrolysis, otherwise the main was in good condition.

This main being positive to the rails a large part of the time at this distance from the Power House, is a somewhat unusual case. We find the distance from the middle portion of the main, say at Valentine street, about $2\frac{1}{2}$ miles from the Power House, that the cause of this positive condition is attributed to the track return being more efficient than others in this vicinity.

The Summer street line and the Cedar street line show readings indicating a flow of current at times into the mains in the street. There is a 16" main in Cedar street and this would offer a better return path for the current than the rails, unless the track return is kept in an efficient state.

ELECTRICAL MEASUREMENTS AT THE POWER HOUSE.

There are no tracks running directly to the Power House, which is usually the case among other electric

railways. The copper cables, therefore, used for returning the current from the rails to the Power House, pass for some distance overhead on poles, and under the ground just north of the building.

At this point these underground cables cross the water mains at right angles, and about 3 feet above them these mains furnish the sole supply of water to the steam plant of the Power Station. The current measurements on the pipes showed a small amount flowing towards the Power House on both pipes outside of the building, and towards the outside on the pipe inside of the building as per arrows in the sketch. The potential test between mains and cables, showed the mains positive to 3.1 volts.

These tests indicated that the mains were undergoing damage under the track cables, and after considerable search they were located and the mains uncovered directly under them. The points of damage are shown in the sketch, the most important being upon the single piece of pipe which enters the building. This was found to be so badly damaged that it was decided to replace it with a new piece, and carry the other main into the building, so that in future the water supply will not be confined to one pipe. These pipes are reached by tide water. We were informed by the Chief Engineer that much damage was being caused by electrolysis to the interior of the feed pumps in the Station. In the effort to locate currents flowing through the steam plant, a reading was taken upon one of the four 12" intake condenser pipes at the rear of the building as they leave the river. Where the pipe was exposed, a flow of 4.5 Amperes was found passing towards the building. Assuming that an equal amount is flowing upon the other pipes, the four intake and one exhaust, five in all, there would at times be upwards of 20 Amperes passing into the building from the river. Evidence of current flow was also discovered at one of the pumps; this flow of current into the building, it is

believed, accounts for the damage discovered in the pump when last examined. A portion of this current, doubtless, is what was previously discovered, finding its way out of the building through the water supply main, through the soil to the track feeder, close to the building and is partly responsible for the damage caused to that main.

When these facts became known to Mr. Potter, the general manager of the Railway Co., he had two of the intake condenser pipes connected by cable to the negative bus bar of the switch board. The effect of this arrangement will no doubt "cut out" the current flowing from the river into the steam plant, and pumps, as well as that flowing out through the water pipe and soil to the cable. A test between pipe and track feeders, since this connection was made, shows a potential difference of about $\frac{1}{3}$ of what it was before, the highest now found being 1.3 volts.

KEMPTON STREET LINE.

The readings as shown in the table increase in strength as the terminal of the pipe line is approached. The maximum at that point is 9.5 volts. A test around several joints at a turn out failed to show defective bonding, the direction of the current upon the rails, however, was west, indicating line is fed from Fall River.

THE DARTMOUTH LINE.

Two of the four tests made show positive readings, and as in other cases, an increase in strength as the pipe terminal is reached. The positive readings, however, amount only to reversals, and of short duration when on the positive side, so that electrolytic action upon the main in the street is not to be feared.

A few tests were made upon the river front to ascertain what indications there may be of railway current leaving the mains and flowing to the river; as current was found leaving the river at the Power House, there must be points of entrance to same.

Of several tests that were made, three only are mentioned as being of importance, viz:

In the yard of the Wamsutta Mills, hydrant positive to lake supplied by River to 0.009 volts.

At the end of the Wamsutta Docks, main positive to River 0.4 to 0.8 volts.

Near the foot of Coffin avenue, corner of Riverside avenue, main positive to River 0.18 volts.

These readings establish the point that where pipes are located near the river, or are in soil where river water has access, some of the railway current will leave them and pass to the river, thence to the Power House. Such is the case here, but not to any great extent.

ELECTROLYTIC ACTION AT JOINTS OF MAINS.

Our attention was attracted to the operation of heating and re-dipping several lengths of 6" pipe at the Department Yard, and upon inquiry learned it was pipe recently removed from the river bed, where it crossed and was to be again relaid in the river.

Upon examination it was found that several lengths were badly softened by electrolysis at the spigot end as shown.

The worst damage was found a little back of the joints, where nails can be seen driven in the soft material. The joints were the ball and socket pattern. The pittings and furrows were from $\frac{1}{8}$ " to $\frac{3}{8}$ " deep. The three lengths when seen by the Superintendent, were condemned as unfit for further use, owing to their weakened condition.

There were other pittings upon these lengths, but the greater damage seemed to be concentrated at the spigot ends, the result without doubt, of railway current passing through the pipe in the direction from spigot to bell.

SUMMARY AND SUGGESTIONS.

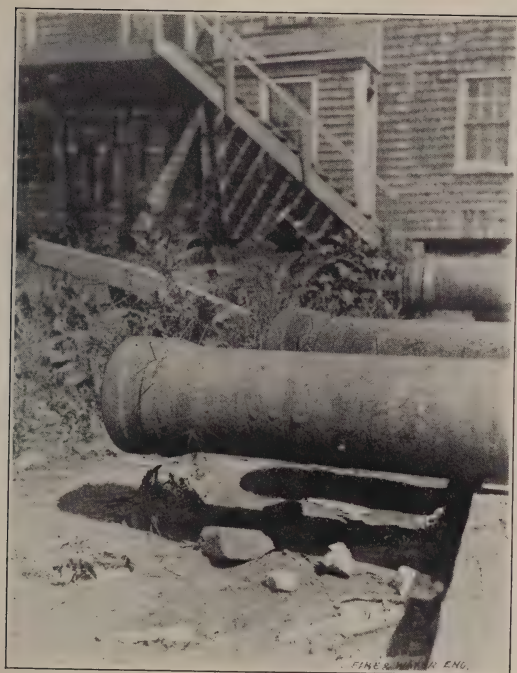
The feature of first importance in this investigation is without doubt that which refers to the steel force main. We believe the facts concerning the identity and flow of railway current through and out of this main has been plainly set forth and there is but little to add.

The second method proposed at the conference as a remedy by Mr. Keating, shows evidence of good intention on the part of the railway company, and it is worth while to await the results of this attempt to better control their currents and keep them off of this main. It is suggested that after the proposed improvements have been completed, that further tests be made, so that a comparison may be had with those tabulated in this report and such changes for the better noted, if any.

Tests with instruments in your department should also be made from time to time, not only upon the steel main and those connecting the same, but also upon the lines of the Union Co. at different points in the city.

The survey through the city proper, however, has not revealed any very serious cases of electrolysis. This largely is due, we believe, to good construction in the track returns; were the same care employed in the construction of the Middleboro line, which refers to the steel main, it is doubtful if any such straying of trolley currents upon the main would have been discovered.

Although this careful construction means a closer confining of current to the rail return, it should not be considered as a settled question, owing to currents stray-



FOR DESCRIPTION SEE PAGE 19

ing into mains at times and places, no matter how good the construction, and therefore, will require watching from time to time. The connection spoken of between the condenser pipes and switch board at the Power House is an indirect connection between the water main of the city and the rail return.

This is mentioned here as in case it is found in future to be a means of inducing further flow of current upon the mains to their detriment, the Railway Co. must not be relieved of responsibility in the matter. It is respectfully suggested that the attention of the railway manager be called to the voltmeter readings where they seem important and indicate current escape, on such lines as Acushnet avenue, at Dean street and Front street line, at same street as well as other parts of both streets; also on Brock avenue, Kempton street and Cedar street line.

The damaged service pipe at the Union Railway Co.'s Power House and the pipe recently removed from the river, are the only cases where pipes seriously damaged by electrolysis, have been found in the city. The Power House pipe belongs to the Railway Co. and the causes leading to its damage have been fully described.

The 6" pipe taken from the river will furnish an apt illustration of the damage resulting at the joints of mains from railway currents flowing through them.

This evidence which happened to be discovered at this time may be regarded as proving the wisdom of your Board in recently refusing, under our advice, to allow the Railway Co. to "bond" the steel main to their tracks, the result of which would have been to divert a stronger current through this and other important mains connecting with same, such as the long 36" and thereby increasing the liability of damage at the joints through electrolytic action in both systems, the steel and the cast iron.

In conclusion, we desire to say that we regard it as most fortunate for all concerned that the damage upon

the steel main is no greater than the inspection disclosed, and it is probable that the electrical conditions causing such damage will soon be taken in hand by the Railway Co., as it is believed they appreciate their responsibility in the matter.

Respectfully submitted,

A. A. KNUDSON.

ADDENDA.

Table giving potential tests in volts between Water Mains and Rails, and also Current Measurements upon mains where uncovered, July 21st to 28th, inclusive.

- + Indicates current leaving a metal.
 — Indicates a current entering a metal.

DATE.	LOCATION OF TESTS.	MAINS +	OR -- TO RAILS.	REMARKS.
1903 July 22	Beaver Dam.	Mn'm. +5.0	Maxm. 12.0	Mains + to rails
July 23	Beaver Dam.	-10.0	26.0	Most of the time.
	Acushnet ave. and Monmouth st.	-1.0	6.5	End of pipe line. Flow in rails north.
	Acushnet ave., 2nd hyd. south.	-1.0	6.0	
	Acushnet ave., south of Ball's cor.	-3.0	9.0	Direction test on 160 ft. pipe between hyd. and service. Flow south to 6 Millivolts.
	Acushnet ave., south of Ball's cor.	-3.0	9.0	Max when cars starting.
	Acushnet ave., Lund's cor.	-5.0	9.0	
	Acushnet ave., north Wood st.	-3.0	8.0	
	Acushnet ave., Howard st.	-3.0	7.0	
	Acushnet ave., north Covell st.	-2.0	8.2	
	Acushnet ave., north Belleville rd.	-3.0	6.8	
July 24	Acushnet ave., Belleville rd.	-3.0	7.0	
July 23	Acushnet ave., Nash rd.	-2.0	9.0	
	Acushnet ave., Davis st.	-5.0	10.0	
July 21	Acushnet ave., Dean st.	-3.0	14.5	
July 25	Acushnet ave., Sawyer st.	-1.5	3.3	
	Acushnet ave. and Cedar Grove.	-2.0	5.5	
	Weld st. and Bowditch.	-2.0	3.5	

ADDENDA. (Continued.)

Ry. Crossing. Three steam railway tracks. One trolley track.			
Cross at grade { North trolley rail over crossing 0.5 volts.			
South " " " " 0.4 "			
July 27	Acushnet ave. and Union st.	Mn'm.	Maxm.
	Acushnet ave. and Walnut st.	-0	2.0
	Acushnet ave. and Bedford st.	+0	1.5
	Acushnet ave. and Potomska st.	-1	3.0
		+1.0	
		-2.0	
FRONT STREET LINE.			
July 24	Front and Beetle sts.	-2.0	7.0
	Front and Nye sts.	-4.0	7.2
	Front and Dean sts.	-2.0	11.5
	Front and Hathaway sts.	-2.0	6.5
	Front st. and Acushnet ave.	-3.0	10.0
PURCHASE STREET LINE.			
July 25	Purchase and Weld sts.	-1.0	2.5
	Purchase and Linden sts.	-0.5	1.5
	Purchase and Merrimac sts.	-2.0	4.3
	Purchase and Pearl sts.	-1.5	3.3
	Purchase and Campbell sts.	-0.5	2.4
	Purchase and Middle sts.	+0.5	
		-0.6	
		Car barns.	
		Max. when car starting.	
		12" main in Dean.	
		6" in Front st.	
		North junction of rd.	

PURCHASE STREET. (Continued.)

	Mn'm.	Maxm.	
Purchase and North sts.	-1.5		
Purchase and William sts.	+0.8		
	-0.4		
Purchase and Union sts.	+0	1.4	
Fourth and School sts.	+0.7		
	-0.4		
Fourth and Madison sts.	+0.7		
	-1.7		
Fourth and Wing sts.	-0.	3.5	
Fourth and Potomska sts.	-0.	3.0	
BROCK AVENUE LINE.			
First and Rivet sts.	-0.	3.6	
First and Division sts.	+2.4		
	-3.1		
First and Cove sts.	+3.0		Terminus 6" pipe.
	-5.0		
Cove Road and W. French ave.	+3.0		
	-5.0		
Brock ave., cor. David st.	+3.5		Frequent reversals.
	-6.2		
Brock ave. and Willard st.	+3.0		
	-6.5		
Brock ave. and Lucas st.	+3.2		
	-9.0		
Brock ave., opp. Almshouse.	+5.7		Highest when car leaving terminus.
	-12.0		

July 27

July 27

BROCK AVENUE LINE. (Continued.)

	Brock and Marine aves.	Mn'm. +8.0 -13.0	Maxm.	Terminus 8" pipe and terminus of trolley.
July 28	Brock avenue, about 800 feet north terminus; 8" main uncovered. Flow north 0.4 Amperes. South 0.7 Cars nearly empty during test. Slight damage near joint. Otherwise in good order.			
July 27	Water and Cove sts.	+1.5 -1.3		
	Water and Delano sts.	+1.5 -3.5		
	Water and Potomska sts.	-2.0	3.5	
SUMMER STREET LINE.				
	Elm and Eighth sts.	+0.5 -1.0		
	Elm and Kempton sts.	-0	3.5	
	Elm and Sycamore sts.	-0	5.5	
	Elm and Willis sts.	-0	6.5	
	Elm and Pope sts.	-1.5		
	Elm and Robeson sts.	+7.0 +0.8 -6.0		Terminus track.

CEDAR STREET LINE.

July 27	Union and Seventh sts.	Mn'm. 0 5 -0.7 -1.0 -1.0 -2.0 -2.0 -1.0 -3.0	Maxm. 1.3 3.5 3.0 5.0 5.5 4.0 7.0	16" main through this st.
	Union and Cottage sts.			
	Ash and Morgan sts.			
	Cedar and Kempton sts.			
	Cedar and Hillman sts.			
	Cedar and Campbell sts.			
	Cedar and Maitland sts.			
	Cedar and Austin sts.			
MEASUREMENTS FOR FLOW OF CURRENTS TOWARD AND ON STEEL FORCE MAIN.				
July 23	Dean st., cor. of Bowditch.	Size of Main. 16 in.	Direction of flow and current in Amperes. West to 5.6 East to 1.4 West to 3.0 East to 2.0	Pipe uncovered. " Momentary reversal.
	Purchase av., west of Purchase st.	24 in.		
	Mt. Pleasant st., north railway crossing.	36 in.		
	High Hill Reservoir.	36 in.	North to 16.0 South to 14.0	Pipe uncovered. Flow south at times.
	Braley's Station.	48 in.	North to 19.2 South to 16.0 Flow north and reverse.	" " " Test made at gate vault for direction only.

CURRENT AND POTENTIAL TESTS AT POWER HOUSE.

July 21		Size of Main.	Direction of flow and current in Amperes.
July 21	Pipe on Fish Island Bridge enclosed in wooden box.	6 in.	Slight flow east not readable.
	Rear Power House on condenser pipes.	12 in.	Test on one pipe, flow into P.H.
			4.5 Amperes \times 5 pipes = 22.5 Amperes Max. for all pipes.
	Same pipes potential test between river and pipes.		River + to pipes 200 Millivolts.
	North side Power House Hydrant.		+3.1 volts, max. to track cables
	North side Power House Hydrant.		+ 2.9 volts, max. to Bridge column.
	North side Power House Hydrant.		+ 1.3 volts, max. to track feeder. This test made after condenser pipes connected to switch board.

TESTS IN VICINITY OF POWER HOUSE.

July 21	Elm and Sixth sts.	+0.5
		-1.0
	Middle and Second sts.	+1.5
		-2.6
	Middle and Water sts.	1.0 to 2.8
	William and Second sts.	0.8
	William and Sixth sts.	+0.3
		-1.1
	Hydrant on Fish Island Bridge.	1.6 Max.

KEMPTON STREET LINE.

July 28		Mn'm.		Maxm.	
	Kempton and Emerson sts.	-2.0		3.4	
	Kempton and Liberty sts.	-0.5		4.1	
	Kempton and Beach sts.	-4.0		8.2	
	Kempton and Jenny Lind sts.	-4.0		9.5	
	Kempton and Jenney Streets Bond tests around frogs at turn out. Highest reading found at several joints tested .008 volts. Flow west.				

Terminus of pipe line.

DARTMOUTH LINE.

July 28		Mn'm.		Maxm.	
	Bedford and County sts.	+0.6			
	Allen and Bonney sts.	-6.0			
	Dartmouth and Spooner sts.	-1.0		4.0	
		+1.5			
	Dartmouth and Dunbar sts.	-6.0			
		-1.0		9.0	
	Entrance Cemetery. • Terminus 8 in. main.				

RIVER FRONT TESTS.

July 24	Foot of Union st.	Unimportant.
	Foot of Union st.	On the dock.
	Wamsutta Mills opposite entrance	.004 to .006. Both directions.
	In Mill yard, Hydrant	+ to river .002 to .009 volts.
	End of dock, Hydrant	+ to river 0.4 to 0.8 volts.
	Coffin ave., cor. Riverside ave, hydrant	+ to river 0.18 volts.

Note.—The point of importance, in reference to the river tests, is where the mains are resting in tide water; there is likely to be some electrolytic action upon them. Such may be looked for in the vicinity of the Wamsutta Mills.

On June 29th, Zephaniah W. Pease was re-elected a member of this Board for a term of three years.

On June 29th, George H. Hedge was elected a member of this Board to fill vacancy for the term ending in June, 1905.

In June last a change in the City Ordinance divorced the office of Water Registrar and City Treasurer. This change was largely due to the advice of James H. Hathaway, City Treasurer and until recently Water Registrar, who has felt for some time that the additional yearly increase in work and responsibility has now reached a stage when a divided responsibility would be to the advantage of all concerned. On September 4th, Clifford Baylies, Esq., was unanimously elected Water Registrar, and his salary placed at \$1,600 per annum. On the same date Mr. Hathaway retired from that position. Mr. Hathaway's long connection with the affairs of this department deserve more than a passing notice. In the period from 1872 to 1879 he was engaged more or less in its clerical force. On April 6th, 1879, he succeeded the late James B. Congdon as City Treasurer and Water Registrar. These positions he has held continuously until the recent relinquishment of the latter. We wish to give expression to our appreciation of the marked fidelity, conscientiousness and ability which have been the prominent characteristics of this long term of service.

On December 19th, Mr. Walter P. Morton resigned his position as Inspector in this department.

Just previous to the date of the last report, an order was passed by you authorizing the purchase of lands on Water street, now occupied by the department workshop and storage yard. The purchase was affected in February and a little later the work of construction and alteration, in accordance with plans prepared by our Superintendent was commenced. This work was somewhat delayed by a term of the sale, whereby possession

to a large part of the building was not given until July 1. The plant is now fully completed and equipped. It is convenient in all its appointments, and its arrangements meet the full requirements of the department. It enables the concentration of all teams, tools and stock of every description necessary for the operation of the department, in one place, a convenience highly appreciated by our employees in the saving of time and energy heretofore necessarily spent by having their accessories divided in locations some distance apart.

13,553 feet of main distributing pipe have been laid and 1,811 feet of that previously laid have been removed. The total amount of main pipe now in use is $100\frac{1}{2}\frac{3}{4}$ miles.

The number of service pipes has been increased 315. The total number now in use is 9,927.

183 meters have been added during the year. The total number now in use is 1,954.

43 petitions for extension of main pipe have been considered and granted by this Board.

On January 9th, a contract was signed with the United States Cast Iron Pipe and Foundry Company of Philadelphia, Penn., for 584 gross tons of cast iron pipe and special castings. The consideration was \$31.40 per gross ton for ordinary straight bell and spigot pipe, and \$59.40 per gross ton for special castings. These prices include delivery upon wharf in this city.

On July 27th, a contract was signed by the full committee of the City Council with the Garfield & Proctor Coal Company for 1,400 gross tons Pocahontas coal to be delivered upon cars at Braley's Station for use at the Quittacas Pumping Station. Thirty gross tons same quality coal to be delivered at the Purchase Street Pumping Station, and eighteen gross tons George's Creek Cumberland coal delivered at workshop on North Water street. Consideration, \$5.50 per gross ton delivered.

In our last report we presented a full statement of the receipts and expenditures made to December 2nd, 1902, on account of the "Further Water Supply." At that date the unexpended balance is shown to be \$3,178.40. The only item to add to the statement of last year is the closing of the account which was affected by a transfer of the above stated balance to the regular account of the New Bedford Water Works. This was done pursuant to an order of the City Council dated November 27, 1903.

The following is a brief statement of the financial operations of the past year:

Balance Dec. 1st, 1902,	\$20,584.46
Receipts for the year, all sources,	151,839.64
	<hr/>
	\$172,424.10

The charges have been as follows:

Expenditures for management and repairs,	\$123,148.46
Expenditures for extensions,	44,579.27
	<hr/>
	\$167,727.73

Which leaves a balance to the credit of the works on the books of the City Treasurer, Dec. 1st, 1903,	\$4,696.37
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WATER REPORT.

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Debits.

Balance Dec. 1st, 1902,		\$20,584.46
Receipts from water rates,	\$124,124.26	
Mains,	3,289.90	
Services,	4,532.39	
Hydrants,	81.51	
Mill piping,	197.11	
Meters,	2,588.92	
Fines,	30.00	
Workshop,	150.96	
Lands, buildings and taxes,	1,476.68	
High Hill Reservoir,	58.00	
Sealing mill fixtures,	111.68	
Miscellaneous,	19.83	
Balance "Further Supply" account,	3,178.40	\$139,839.64
General appropriation for use of water for public purposes,		12,000.00
General appropriation from tax levy to make up deficit,		69,180.00
		<hr/>
		\$241,604.10

Credits.

Managements and repairs, less interest, bonds paid and sinking funds,	\$76,148.46	
Extension of works,	44,579.27	
Interest on bonds, general appropriations,	\$63,180.00	
Interest on Sylvia Ann Howland fund, gen. appropriation,	6,000.00	
Interest paid from water rates,	5,000.00	
Bonds paid from water rates,	30,000.00	104,180.00
Sinking funds (further supply) paid from water rates,	8,000.00	
Sinking funds, paid from water rates,	4,000.00	
Balance Dec. 1st, 1903,	4,696.37	\$241,604.10
Outlay "Original Construction,"	\$1,914,700.81	
Outlay "Further Supply,"	1,316,639.60	
	<hr/>	
Total cost of works at this date,	\$3,231,340.41	

Accompanying this report, and a part of it, are the reports of the Water Registrar and of the Superintendent, which appear in the following pages.

Respectfully submitted,

CHAS. S. ASHLEY,
SAMUEL HIGHAM,
ROBT. W. TABER,
GEO. H. HEDGE,
Z. W. PEASE.

Report of the Water Registrar.

CITY OF NEW BEDFORD,
WATER REGISTRAR'S OFFICE,
December 1st, 1903.

To the New Bedford Water Board :

GENTLEMEN:—I herewith present to you a detailed statement of the receipts and expenditures of the Water Works Department for the year ending at this date.

RECEIPTS.

Balance Dec. 1st, 1902,		\$20,584.46
Receipts for water :		
Rates, domestic,	\$109,847.10	
Rates, manufacturing,	14,277.16	
Appropriations for public build- ings, fire hydrants, etc.,	12,000.00	\$136,124.26
Receipts from mains,		3,289.90
Services,		4,532.39
Mill piping,		197.11
Meters,		2,588.92
Fines,		30.00
Workshop,		150.96
Lands, buildings, and taxes,		1,476.68
Quittacas pumping station,		2.75
Miscellaneous,		2.00
Pumping,		7.50

Sealing mill fixtures,	111.68	
High Hill Reservoir,	58.00	
Little Quittacas conduit intake,	7.58	
Hydrants,	81.51	
Balance from further water supply,	3,178.40	151,839.64
		<hr/>
		\$172,424.10
Expenditures for the year ending Dec. 1st, 1903,		167,727.73
		<hr/>
Balance cash in treasury Dec. 1st, 1903,		\$4,696.37

EXPENDITURES.

MANAGEMENT AND REPAIRS.

Engineering and superintendence,	\$5,297.06	
Water Registrar, inspection, and clerk hire,	5,752.39	

Pumping expenses, engineers, firemen, and watchmen :

Salaries and labor,	\$7,002.87	
Fuel,	8,395.45	
Oil, waste, packing, and lighting,	417.06	
Other supplies,	293.78	
Repairs of engines,	258.09	
Repairs of boilers,	85.14	
Other repairs,	17.71	
Buildings and grounds,	1,331.66	
Miscellaneous,	1,112.00	18,913.76

Mains :

Cast iron pipe,	755.43	
Stop gates,	324.63	
Hydrants,	443.56	
Flushing, and inspecting,	217.27	1,740.89

Services :

Pipe,	206.14	
Renewing and driving stop boxes,	296.09	
Clearing stops, taps. and pipe,	207.59	709.82
Fountains :		74.98
Meters :		409.40

WATER REPORT.

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General maintenance :

Printing, stationery, advertising, and postage,	491.67
Car fares, express, telephone, telegraph,	616.42
Horses and carriages,	1,967.56
Labor at workshop,	1,677.66
Materials at workshop,	375.84
Heating and lighting at workshop,	275.04
Miscellaneous,	618.87
Lands, buildings, taxes, etc.,	1,726.15
Little Quittacas pond, and intake,	145.64
48 inch steel force main,	530.98
High Hill Reservoir,	298.50
36 inch distributing main,	252.20
Storing reservoir,	24.44
Conduit,	247.75
Receiving reservoir,	273.16
Mt. Pleasant distributing reservoir,	182.98
Railroad,	4,160.91
Purchase street station,	865.47
Work shop,	28,480.49
Sealing mill fixtures,	10.43
Engineer's house,	28.00

Sinking funds paid from water rates :

Further water supply,	\$8,000.00	
Old supply,	2,800.00	
Bonds of 1900,	1,200.00	12,000.00
Bonds paid from water rates,		30,000.00
Interest paid from water rates,		5,000.00
		\$123,148.46

EXTENSIONS.

Mains :

Main pipe, and special castings,	\$21,623.47	
Stop gates,	1,355.21	
Hydrants,	861.41	
Lead, and gasket,	1,638.58	
Tools,	1,794.10	
All other supplies,	509.19	
Freight and carting,	347.97	
Labor,	5,892.08	34,022.01

Services :

Pipe,	2,528.53	
Taps, and stops,	811.98	
All other supplies,	1,041.83	
Labor,	2,050.79	
Plumbing,	645.78	7,078.91

Meters :

Cost of meters,	2,855.25		
Cost of setting,	3.15	2,858.40	
Mill piping,		237.92	
Water cart hydrants,		279.36	
Fountains,		102.67	44,579.27

Total expenditures for the year, \$167,727.73

Whole outlay upon the works to this date,	\$3,465,564.19	
Outlay for further supply,	1,316,639.60	\$4,782,203.79

Balance Dec. 1st, 1903, 4,696.37

\$4,786,900.16

The receipts from the commencement of the works to this date have been as follows, viz:

Appropriations by the City Council,	\$1,038,000.00	
Net appropriations for further water supply,	1,316,639.60	
Receipts from water and other sources,	2,432,260.56	
	<hr/>	
	\$4,786,900.16	
Deduct total outlay,	4,782,203.79	
	<hr/>	
Balance as above Dec. 1st, 1903,	\$4,696.37	
Outlay,	\$4,782,203.79	
Deduct from outlay :		
Paid for management and repairs,	\$894,975.24	
Interest paid,	162,788.14	
Bonds paid,	285,000.00	
Sinking funds,	31,300.00	
Sinking funds, (further supply),	172,000.00	
Sinking funds, bonds of 1900,	4,800.00	1,550,863.38
	<hr/>	
Actual cost of works,	\$3,231,340.41	
Total receipts for water,	\$2,432,260.56	
Deduct the amount for maintenance, debt,		
interest, and sinking funds,	1,550,863.38	
	<hr/>	
Water receipts applied to construction,	\$881,397.18	

The funds for the construction of these works have been derived from the following sources:

Investment of Sylvia Ann Howland educational bequest,	\$100,000.00	
Sylvia Ann Howland water bequest,	100,000 00	
Received from sale of bonds,	815,000.00	
Net receipts applied to construction,	881,397.18	
Appropriation for construction in 1885,	23,000.00	
Sale of further supply bonds, premiums,		
etc.,	\$1,319,818.00	
Less amount paid to general water		
works account,	3,178.40	1,316,639.60
		<hr/>
		\$3,236,036.78
Deduct balance Dec. 1st, 1903,		4,696.37
		<hr/>
Cost of works as stated above,		\$3,231,340.41

The water debt at this date is as follows:

Water bonds, 7 per cent.,	\$60,000.00	
" " 6 " "	100,000.00	
" " 5 " "	20,000.00	
" " 4 " "	140,000.00	
" " 4 " " (further supply),	1,200,000.00	
" " 3½ " "	48,000.00	
Sylvia Ann Howland bequest, 6 per cent.,	100,000.00	
	<hr/>	
	\$1,668,000.00	
Less sinking funds,	240,181.79	
	<hr/>	
Net water debt Dec. 1st, 1903,	\$1,427,818.21	
Outlay for management and repairs,	\$123,148.46	
Outlay for extensions,	44,579.27	
	<hr/>	
	\$167,727.73	
Deductions :		
Receipts for services,	\$4,532.39	
Receipts for meters sold,	2,588.92	
Receipts for mains,	3,289.90	
Receipts for lands, buildings, fines, and other sources,	2,125.77	
Receipts from balance of further supply,	3,178.40	15,715.38
	<hr/>	
Net expenditures,	\$152,012.35	
Amount appropriated in 1903 for interest on water loan,	\$69,180.00	
Expenditures by the Water Board,	152,012.35	
	<hr/>	
Actual amount expended in 1903,	\$221,192.35	
Water receipts in 1903,	\$136,124.26	
Water receipts in 1902,	124,106.44	
	<hr/>	
Increase in 1903,	\$12,017.82	

Respectfully submitted,

CLIFFORD BAYLIES,

Water Registrar.

Report of the Superintendent.

NEW BEDFORD WATER WORKS,
SUPERINTENDENT'S OFFICE,
December 5th, 1903.

To the New Bedford Water Board:

GENTLEMEN:—The thirty-fourth annual report of the Superintendent, for the year ending December 5th, 1903, is herewith presented.

As the capacity of the Further Supply was designed to meet the requirements of a much larger community than our present population, there will be no question regarding an ample supply for several years to come.

Copies of the rainfall records at Little Quittacas Pumping Station and at the Storing Reservoir at Long Plain appear upon the next two pages.

These are followed by a statement kindly supplied by Chief Engineer X. H. Goodnough, of the State Board of Health, showing the results of the periodical chemical analysis of samples of water taken from various locations as described. From these we learn that the quality has remained uniformly good throughout the year.

RAINFALL AT QUITTACAS PUMPING STATION FOR 1903.

Day.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1										.05		
2		.27										
3	.89											
4		.75			.21							.55
5			.06	.48					.08	.10	.82	
6	.42				.10		.54	2.13			.22	
7	.12				.09	.08		.23				
8		.56		3.72		.42				.19		
9				.08				.15				.93
10			3.03									
11		.98	.46			.20		.15				
12	1.06										.03	
13						1.41	.12			3.02		.57
14							.05					
15						.81						
16												
17		2.57		1.46					.80	1.14		
18											1.30	
19					.11		.84					
20					.27			.25				1.22
21	1.12						30					
22						1.43	.05				.05	.05
23				.03						.14	.06	
24			3.46						.05			
25						.43		.28				.08
26							.17					.28
27									.26			
28		1.13	.04									
29						.06	.05				.23	.16
30	.53				.13							
31			1.08					.56				
Totals	4.14	6.26	8.13	5.77	.91	4.84	2.12	3.75	1.19	4.64	2.71	3.84

Total fall for the year, 48.30 inches.

RAINFALL AT ACUSHNET STORING RESERVOIR FOR 1903.

Day.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1												
2												
3	1.06	.32										.62
4		1.05										
5				.46							.87	
6	.40				.30		.51	2.62			.39	
7	.16											
8		.48	3.57							.39		
9				3.49		.37						.60
10												
11		1.10										
12	1.07							.32		3.11		
13						1.52						.54
14												
15							.19					
16		.40				.50						
17				1.76					.77			
18							1.85			.33	1.63	
19					.67							
20					.27							
21	1.10											
22							.17					1.03
23										.35		
24			3.90									
25	.17					2.31		.32				
26												.12
27									.31			
28		.93										
29											.16	
30	.56											
31			1.64					.85				
Totals	4.52	4.28	9.11	5.71	1.24	4.70	2.72	4.11	1.08	4.18	3.05	2.91

Total fall for the year, 47.61 inches.

WATER ANALYSIS—STATE BOARD OF HEALTH

PARTS IN 100,000.

Number.	DATE OF		APPEARANCE.		ODOR.		RESIDUE ON EVAPORATION.			AMMONIA.			CHLORINE.		NITROGEN AS		Oxygen consumed.	Hardness.	Iron.
	Collection.	Examination.	Turbidity.	Sediment.	Color.	Cold.	Hot.	Total.	Loss on ignition.	Fixed.	Free.	Total.	In solution.	In suspension.	Nitrates.	Nitrites.	.40	0.6	—
43,633	1903 Jan. 31	1	Slight.	Slight.	.14	Faintly vegetable	Distinctly vegetable	3.50	1.50	2.00	.0020	.0142	.0136	.0006	.0010	.0000			

These samples were collected from faucet at City Hall.

Scale of colors :—

- 0—Colorless.
- 1—Yellowish brown tint.
- 2—Deep yellowish brown tint.

WATER ANALYSIS—STATE BOARD OF HEALTH.

PARTS IN 100,000

Number.	DATE OF		APPEARANCE.		ODOR.		RESIDUE ON EVAPORATION.			AMMONIA.			CHLORINE.		NITROGEN AS		Oxygen consumed.	Hardness.	Iron.
	Collection.	Examination.	Turbidity.	Sediment.	Color.	Cold.	Hot.	Total.	Loss on ignition.	Fixed.	Free.	Total.	In solution.	In suspens'n.	Nitrates.	Nitrites.			
43,624	1902. Dec. 30 | 31		Slight.	Slight.	.16	Faintly vegetable	Distinctly vegetable	3.25	1.50	1.75	.0014	.0144	.0126	.0018	.0010	.0000	.41	0.5	—
44,314	Feb. 1903 24 | 25		Slight.	Slight.	.21	None	Faintly vegetable	3.20	1.40	1.80	.0008	.0156	.0116	.0040	.0020	.0000	.45	0.6	—
45,561	May 26 | 27		Slight.	Slight.	.32	Faintly vegetable	Faintly vegetable	3.60	1.65	1.95	.0018	.0148	.0122	.0026	.0010	.0000	.61	0.5	—
46,927	Aug. 25 | 26		Slight.	Slight.	.20	Faintly vegetable	Distinctly vegetable	3.05	1.15	1.90	.0010	.0162	.0140	.0022	.0000	.0000	.43	0.5	—
48,252	Nov. 24 | 25		None.	Slight.	.21	Faintly vegetable	Faintly vegetable	3.00	1.45	1.55	.0034	.0168	.0144	.0024	.0000	.0000	.49	1.0	—

These Samples were collected from
Little Quittacus Pond.

Scale of colors:—

- 0—Colorless
- 1—Yellowish brown tint,
- 2—Deep yellowish brown tint.

WATER ANALYSIS—STATE BOARD OF HEALTH.

PARTS IN 100,000.

Number.	DATE OF		APPEARANCE.		ODOR.		RESIDUE ON EVAPORATION.		AMMONIA.			CHLORINE.		NITROGEN AS		Oxygen consumed.	Hardness.	Iron.
	Collection.	Examination.	Turbidity.	Sediment.	Color.	Cold.	Hot	Total.	Loss on ignition.	Fixed.	Free.	Total.	In solution.	In suspension.	Nitrates.	Nitrites.		
44313	1903. Feb. 24 | 25		None.	Slight.	.43	None	None	3.40	1.70	1.70	.0006	.0156	.0142	.0014	.0010	.0000	.64	.8
45560	May. 26 | 27		Slight.	Consider- able.	.70	Distinctly vegetable	Distinctly vegetable	3.80	2.10	1.70	.0020	.0218	.0172	.0046	.0030	.0000	.81	.5
46926	Aug. 25 | 26		Slight.	Slight.	.34	vegetable	vegetable	2.75	1.25	1.50	.0010	.0160	.0134	.0026	.0000	.0000	.57	.5
48231	Nov. 24 | 25		None.	Slight.	.28	Faintly vegetable	Faintly vegetable	3.15	1.30	1.85	.0056	.0204	.0174	.0030	.0010	.0004	.66	1.0

These samples were collected from
Great Quittacas Pond.

Scale of color :—

- 0—Colorless
- 1—Yellowish brown tint
- 2—Deep yellowish brown tint.

WATER ANALYSIS—STATE BOARD OF HEALTH.

PARTS IN 100,000.

Number.	DATE OF		APPEARANCE.		ODOR.		RESIDUE ON EVAPORATION.			AMMONIA.				CHLORINE.	NITROGEN AS		Oxygen consumed.	Hardness.	Iron.
	Collection.	Examination.	Turbidity.	Sediment.	Color.	Cold.	Hot.	Total.	Loss on ignition.	Fixed.	Free.	Total.	In solution.		In suspension	Nitrates.				Nitrites.
44,315	1903. Feb. 24 | 25		Slight.	Slight.	.85	Faintly vegetable	Distinctly vegetable	4.30	2.40	1.90	.0010	.0176	.0152	.0024	.0000	.0000	1.08	0.6	
45,559	May 26 | 27		Slight.	Slight.	.96	Faintly vegetable	Distinctly vegetable	3.90	2.15	1.75	.0016	.0202	.0176	.0026	.0030	.0000	1.12	0.3	
46,928	Aug. 25 | 26		Slight.	Slight.	.64	Faintly vegetable	Distinctly vegetable	3.65	1.95	1.70	.0012	.0152	—	—	.0010	.0000	.80	0.2	
48,253	Nov 24 | 25		None.	Slight.	.43	Faintly vegetable	Faintly vegetable	3.40	1.45	1.95	.0030	.0190	.0170	.0020	.0010	.0003	.78	0.6	

These samples were collected from
Long Pond.

Scale of colors:—

- 0—Colorless
- 1—Yellowish brown tint
- 2—Deep yellowish brown tint

WATER ANALYSIS—STATE BOARD OF HEALTH.

PARTS IN 100,000.

Number.	DATE OF		APPEARANCE.		ODOR.		RESIDUE ON EVAPORATION.			AMMONIA.			CHLORINE.		NITROGEN AS		Oxygen consumed.	Hardness.	Iron.
	Collection.	Examination.	Turbidity.	Sediment.	Color.	Cold.	Hot.	Total.	Loss on ignition.	Fixed.	Free.	Total.	In solution.	In suspension.	Nitrates.	Nitrites.			
44,316	1903. Feb. 24 | 25		Slight.	Slight.	1.20	Distinctly vegetable	Distinctly vegetable	4.45	2.70	2.25	.0032	.0184	.0162	.0022	.0030	.0000	1.12	1.0	—
45,713	June. 5 | 6		Slight.	Considerable.	1.00	Faintly unpleasant	Faintly unpleasant	4.45	1.95	2.50	.0040	.0250	.0202	.0048	.0000	.0002	.63	6.8	—
47,021	Sept. 1 | 2		Slight.	Slight.	1.00	Distinctly vegetable	Decidedly vegetable	5.00	2.30	2.70	.0020	.0262	.0246	.0016	.0020	.0000	1.14	0.8	—
48,235	Nov. 24 | 25		Slight.	Slight.	.60	Faintly vegetable	Distinctly vegetable	4.60	1.70	2.90	.0060	.0214	.0192	.0022	.0020	.0004	.80	0.8	—

These samples were collected from the Old Storing Reservoir.

Scale of colors —

- 0—Colorless.
- 1—Yellowish brown tint.
- 2—Deep yellowish brown tint.

The surface of Great Quittacas pond has varied from elevation 51.74 on April 19th to elevation 49.13 on September 17th. At this date it stands at elevation 49.15.

The surface of Little Quittacas pond has varied from elevation 49.85 on March 23 to elevation 47.33 on Nov. 4th. At this date it stands at elevation 47.92.

Little Quittacas pond is purposely kept at a lower level than Great Quittacas pond. By so doing space is provided to receive surplus water from the last named pond. This is useful in regulating the surface level of Great Quittacas pond in times of the freshets of Spring and early Summer. Attention has been given to cleaning the shores of Little Quittacas pond.

The grounds around the Pumping station and the Engineer's dwelling have received the usual care. New trees have been planted upon the rocky point north of the Pumping station replacing those which have become decayed.

Considerable labor has been devoted to the repair of the railroad tracks connecting the Quittacas pumping station with Braley's station on the N. Y., N. H. & H. system. Nearly two car loads of sleepers have been used in the operations of this year. The work of regrading and relining of this track has been in progress at convenient times during the past two seasons. About one half a mile located in Bolton swamp remains to be done in order to fully complete this work. With this accomplished, the track for its entire length, will be in excellent condition, and they will require very little attention for a number of years to come.

This railroad was equipped in the early part of September with a novel form of locomotion which now operates all cars passing over these tracks. The motor power is a Hornsby-Ackroyd oil engine placed upon a flat car. This power is transmitted to the wheel shaft by means of sprocket and chain. It operates very satisfactory.

The embankments covering the forty-eight inch steel force main connecting the Quittacas pumping station with High Hill reservoir, have been constantly watched and repairs have been made where washouts have occurred.

The High Hill reservoir remains in excellent condition. No labor other than that necessary for the proper maintenance of the sodded slopes has been given to this location.

The embankments, containing the thirty-six inch distributing main leading from High Hill reservoir to the city, located from Turner's pond westerly toward the reservoir, have been repaired in places where it was needed.

All parts of the Little Quittacas pumping station are in excellent condition. The machinery continues to operate satisfactory. While it is a pleasure to record the high results obtained by this thoroughly modern and well equipped plant, mention should also be made in regard to the smooth operation of these engines and the sense of security and reliability felt by those who have it in charge.

The one important event out of the ordinary run of daily work was a twenty-four hour test of a portion of the machinery. This occurred on April 9th and 10th. It was conducted by Messrs. S. R. Bartlett and P. J. Kearny of the then graduating class of the Massachusetts Institute of Technology. Their work was done under the general supervision of Professor Edward F. Miller of the same Institute.

These gentlemen were assisted in obtaining the necessary data by Messrs. G. B. Seyms, Joseph Aylsworth, P. R. Parker, E. W. Pelton, F. J. Cox, L. Wehner and G. Bouscaren, all students at the Institute named.

The report was presented in the form of a graduating thesis by Messrs. Bartlett and Kearny at the last commencement exercises at the Institute.

A copy of this document has been supplied to this department. It contains all observations and discusses all the details of the test.

I herewith submit an extract from this document including that portion in which the results obtained are given.

A TWENTY-FOUR HOUR DUTY TEST ON THE TEN
MILLION GALLON LEAVITT PUMPING ENGINE,
NEW BEDFORD, MASS.

This test was made on the Quittacas pumping plant of the city of New Bedford, on April 9th and 10th, 1903. The following description of the engines and boilers is taken from the report of the Superintendent of the Water Works, Mr. R. C. P. Coggeshall.

The machinery at this station consists of 2 compound, beam and fly-wheel engines of the well known Leavitt type; each operating two differential plunger pumps.

These engines were built by the Dickson Mfg. Co., of Scranton, Pa., from designs by Mr. E. D. Leavitt.

The two engines are duplicates and in general arrangements, rights and lefts; but the gearing is so arranged that the cam shaft turns in the same direction on both engines.

The steam cylinders are vertical and inverted, the pistons of the high and low pressure cylinders being connected to opposite ends of the beam.

The pumps are located beneath the engine bedplate in a masonry pit; the two plungers being in line with the two steam piston rods and connected to the steam cross-heads.



LITTLE QUITTACAS PUMPING STATION - 1900

The high pressure piston with its connected pump plunger makes its upward stroke at the same time that the low pressure piston and its plunger are making their downward stroke and vice versa.

Each pump consists of three principal sections, viz. : the lower or suction chamber; the middle chamber, containing the suction valves; and the upper chamber forming an air vessel and containing the delivery valves.

The suction main enters the lower chamber of the pump worked by the low pressure piston, and the water passes thence to the lower chamber of the high pressure pump. Connected with the latter are two large suction air vessels. The upper part of each lower chamber is constructed to form additional suction air vessels.

The pump worked by the low pressure piston discharges into the delivery chamber of the pump worked by the high pressure piston; and from the latter it enters the force main.

The plungers of each pump work in two stuffing boxes; the upper plunger in an outside stuffing box, and the lower plunger in a stuffing box at the upper valve seating, provided with a long sleeve.

The pumps rest upon concrete and granite foundations at the bottom of the pit, to which they are bolted. The upper ends are firmly secured to the engine bedplate by adjustable wedges and bolts.

The pump valves are made of brass castings, faced with rubber, working on central spindles over annular openings in seats and closed by springs.

The pedestals for the main beam pin and the main pedestal for the crank shaft are formed in the engine bedplate and are in the same horizontal plane. There is a separate outboard pedestal for the crank shaft journal beyond the fly-wheel.

The bedplate is carried on four massive cast iron columns supported by masonry piers at the ends of the pit.

The cylinders are upon a cast iron entablature carried on twelve columns, as follows; four vertical cast iron columns in pairs, each pair being connected together to form the guides for one crosshead; four diagonal cast iron columns and four vertical polished steel columns.

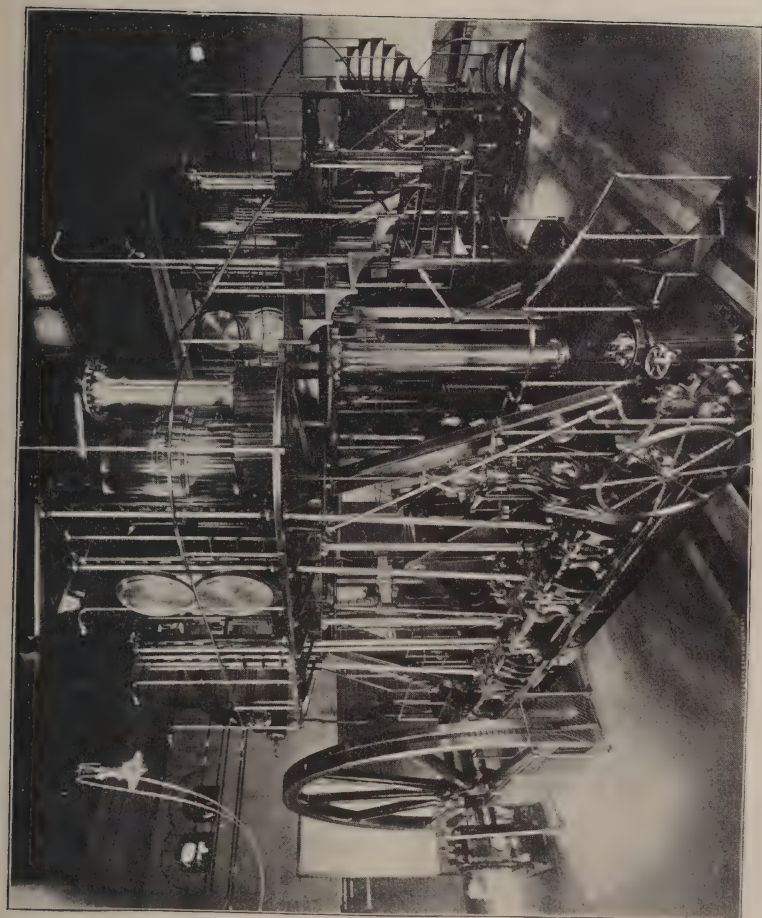
The steam distribution is effected by gridiron valves operated by cams on a horizontal shaft in the same horizontal plane as the crank shaft, and driven by the latter through mitre gears.

The exhaust from the top of the high pressure cylinder enters a tubular reheater having steam of boiler pressure on the inside of the tubes. Thence it passes to the upper inlet valve chest of the low pressure cylinder. Similarly the exhaust from the bottom of the high pressure cylinder passes through another reheater on its way to the bottom inlet valve chest of the low pressure cylinder.

The cylinders are thoroughly jacketed with steam of boiler pressure all over, on heads and barrels. All heated surfaces are thoroughly protected from radiation by magnesia covering. The cylinders, side pipes and reheaters, with their connecting pipes and nozzles are covered with a handsome lagging of iron and black walnut.

There is a gallery all around the engine at the base of cylinders also one at top of bedplates, and platforms for getting at the indicators, etc. There is a spiral stairway at the low pressure end of the engine, and a straight one at the high pressure end; together with steps for reaching the various platforms. The galleries of the two engines are connected by a bridge.

The normal speed of these engines is 32 revolutions per minute, at which speed the capacity of each by plunger displacement is 10,586,880 gallons in twenty-four hours. The water is pumped over a weir at High Hill reservoir, through eight miles of 48" steel pipe, the total lift being about 166 feet.



LEAVITT ENGINES LITTLE QUITTACAS PUMPING STATION — 1900

The condensers of the Quittacas engines are of the jet type, worked by an independent air pump.

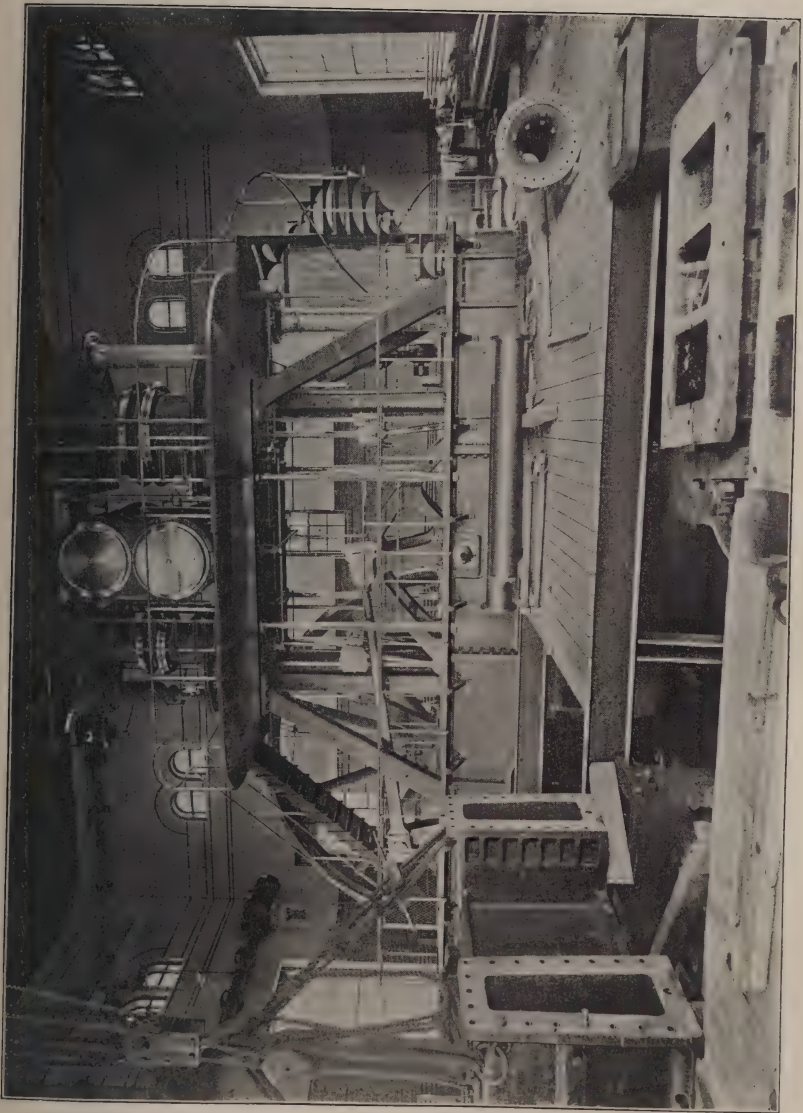
Steam for these engines is furnished at 185 pounds pressure by two circular fire box boilers of special design by Mr. Leavitt, built, one, by the I. P. Morris Co. of Philadelphia, and the other by the Atlantic Works of East Boston, Mass. Their principal dimensions are: length, 31 feet, 7 3-4"; diameter, 108"; number of 3" tubes 152; heating surface, 2031 square feet.

The feed water is taken from the force main and passes through a Gleaner feed water heater when the temperature is raised to about 150° F, before passing the feed pump, the heat being furnished by the exhaust steam from the feed and air pumps and the lighting engine, and from the drips from the throttle, separator and high pressure steam chest.

The drips from all the jackets are returned to the feed boiler by gravity, while the drips from the working side of the receivers and the low pressure steam chest are wasted. The steam used by the air pump passes through all the jackets in succession. The boiler feed pump and the lighting engine are supplied from the main steam pipe.

THE LEADING DIMENSIONS OF
THE ENGINES ARE:

Diameter of high pressure cylinder	16 $\frac{3}{8}$ "
Diameter of high pressure piston rod	3 $\frac{1}{2}$ "
Diameter of low pressure cylinder	36 $\frac{1}{4}$ "
Diameter of low pressure piston rod	4 "
Stroke	90 "
Pump plungers (two differential)	each 13 $\frac{7}{10}$ & 19 $\frac{3}{8}$ "
Stroke of plungers	90"
Ratio, crank; connecting rod	1.5
Fly wheel diameter	25ft.
Steam pipe, diameter at inlet nozzle	5 "
Main steam pipe from boiler room	10 "
Main exhaust pipe, diameter	12 "
Height from pump foundation capstone to highest point of engine (top of throttle valve lever)	46 ft. 8 "
Length of main steam pipe,	(about) 75 ft.
Air pump; horizontal single cylinder, direct double acting,	
Steam cylinder	10 x 18 "
Water cylinder	16 x 18 "
Height of top of chimney above ground	143 ft.
Ht. top chim. above bottom flue entrance from boiler	136 ft.
Diameter of flue	5 ft.



ENGINE B UNDER ERECTION

ARRANGEMENTS AND CHANGES MADE FOR THE TEST.

The test was made on engine B and the boiler built by I. P. Morris Company.

The pipe ordinarily conveying the feed water to the heater was disconnected and led to a weighing tank in the boiler room. This tank discharged into another provided with a hook gauge so that the water level could be brought to its original height as often as desired. An auxiliary pump taking its steam from an auxiliary boiler was used to put the water from the tank into the heater.

The regular feed pump supplied the boiler as usual.

The water taken from the heater to operate the damper regulator was discharged into a barrel and weighed.

The steam used by the air pump was determined in a preliminary run of two hours by condensing it alone in the heater and weighing. For conditions see separate account of preliminary run on air pump. (see page 60.)

During the test, the exhaust from both the air and the feed pumps was passed through the heater and weighed, thus determining the steam used by the feed pumps, assuming the exhaust from the air pump to be constant.

The lighting engine was supplied with steam from an auxiliary boiler and the exhaust wasted.

The drips from the throttle, separator and the high pressure steam chest, which ordinarily passed through the heater, were collected in a barrel and weighed.

The drips from all the jackets, ordinarily returned to the boiler by gravity, were collected during the test in a closed steel reservoir about 15" in diameter and 5' tall, thoroughly lagged. On the side of this tank was a long gauge glass and a scale, previously graduated, giving the capacity of the reservoir at any level to 1-100 of a cubic foot. The pressure in the tank quickly emptied it when

the discharge valve was opened. The heat lost by wasting these drips during the test, was determined and an allowance made in calculating the amount of coal used had they been returned to the boiler.

The drips from the low pressure steam chest and the working side of the reheaters were collected in a barrel on scales.

A throttling calorimeter with a 1-4" steam orifice was attached to the steam pipe just before the throttle. A record was kept of the time during which the calorimeter was in use, and the amount of steam used by it was calculated by Napier's formula.

The height of water in the suction well was read by means of a float and graduated brass rod, the reading being the level above a datum of mean high water in New Bedford harbor.

The delivery pressure was measured by an open leg mercury column graduated in lbs. per square inch connected to air chamber of pump.

Samples of flue gas were taken in flue just over the boiler used.

A sample of coal was taken from each lot weighed, and kept in coal pocket until end of test when this pile was thoroughly mixed and quartered and a sample taken. This was analyzed and the heat of combustion determined by the Chemical Department of the Institute.

A preliminary run was made on April 9th to determine the amount of water pumped over weir per revolution, and the leakage in the 8 mile force main. (see separate account.)

STARTING AND ENDING THE TESTS.

Cleaning of fires was commenced at 8:00 a. m. April 10th and finished about 8:30.

At 9:00 a. m. the engine was started, and at 11:15 the boiler and engine tests began.

Just before 11:15 the ash pits were cleaned and the fires levelled off. At 11:15 the height and condition of the fires was noted, the water level in the boiler and in jacket drip tank observed and the feed water level brought up to the hook gauge.

From 8:00 to 8:30 a. m. April 11th, the fires were cleaned for the last time, and at 11:15 the conditions and levels were made the same as at the start.

Cards from both ends of steam cylinders and from central chambers of pumps, together with readings of pressures, temperatures, revolutions, etc., were taken at the stroke of a gong every fifteen minutes.

At the end of each hour the coal was weighed back and the level in the feed water tank brought to the hook gauge.

There were nine observers standing watch for the 24 hours.

The steam gauges were tested with sealed weights before being used, and the thermometers had been previously calibrated.

REMARKS.

The steam used by the jackets was calculated from the amount caught in 20 hours in the reservoir. (Described on page 57.)

The pipes leading to the tanks had been blown out so short a time previous to the start, that at 11:15 enough water had not collected in the system to fill the tank at a constant rate. By 2 p. m. the tank filled regularly every fifteen minutes, and thereafter readings of the high level

were taken on the stroke of the gong. After 10 a. m. April 11th, the attempt was made to secure the conditions of the start by filling the tank only part full and discharging very rapidly, in the hope of drawing off the water backed up in the system.

The result was not satisfactory, so the rate was determined from the time during which conditions were constant.

The extreme limits of variation in 24 hours, of the following observations, were as follows :—

Revolutions in 15 minutes	479.5 — 481.5
Pressure at throttle	181.0 — 186.0
Vacuum	26.81 — 26.98
Main exhaust temperature	119.0 — 121.9

Variation in 2 hour run Weir, April 9th.

Revolutions in 10 minutes	320.5 — 321.5
Pressure at throttle	179.5 — 186.5
Height of water on weir	.661 — .664

Extreme variations during 2 hours run on air pump April 8th.

Revolutions in 10 minutes	320.5 — 321.0
Steam pressure at throttle	182.0 — 184.0
Vacuum	27.01 — 27.10
Single stroke of air pump per minute	22.3 — 22.8
Weight of steam use per half hour	132 — 134

PRELIMINARY RUN TO DETERMINE STEAM USED BY AIR PUMP.

This run, of two hours duration, was made the evening of April 8th. The steam used by the feed pump was exhausted into the atmosphere, and the steam used by air pump, after being condensed by passing through feed water heater, was collected in a barrel and weighed every

half hour. The results of this preliminary run show how constant was the amount of steam used by the air pumps. The engine had been running several hours before test was made, and the counter, steam pressure, and vacuum, as given in data show that the conditions were the same as in the main test on April 10th.

PRELIMINARY RUN MADE ON WEIR.

This run was made April 9th. A test was first made to determine the leakage of the force main, about 8 miles in length. This was done by means of a float apparatus set up at inlet gate house. The water was raised by engine to flow over weir after which it was stopped, and, when the the water had become smooth, the test was started at 8:45 a. m., a mark being made on the rod fast to float. At this time the level of the water in the reservoir was 213.25 by float and graduated rod. The level of the crest of the weir is 214.75 feet. The water level in weir chamber at time of this test was 214.60 feet. This is 1.35 feet above level of reservoir so that if any leakage existed, the leakage is on the right side, from force main out and not from reservoir into force main.

At 10:45 a second mark was made on rod and it was found that the level had dropped 0.24 feet in the two hours.

The area of the weir chamber	210.69 sq. ft.
The contents 24-100 ft. deep	50.57 cu. ft.
Leakage in one hour	25.28 cu. ft.

After this leakage test, a level was run with rod at different points along crest of weir and this was found to be truly level. The zero reading of the hook gauge was then established at the level of the crest by means of a light rod and level.

The engine was then started up at 11:15 a. m. and readings of the hook gauge were taken every two minutes until 1:15 p. m., the counter, pressure, etc., of the engine being read during same time every 10 minutes. During this time boilers were fed from tank in boiler room and no water was drawn from force main for any purpose.

The length of the weir was 9 feet.

BOILER TEST RESULTS.

(A) Quality of steam at throttle	0.985
(B) Total feed water put into boilers (24 hours)	114,808 pounds
(C) B T U put into same	123,640.000
(D) Total returns from jackets	15.397 pounds
(E) B T U put into same	13,083.000
(F) Total coal burned	12,331 pounds
(G) B T U taken up by water per pd. coal burned	10,027
(H) Excess coal burned during test because of not returning jacket drips	458 pounds
(I) Equivalent evaporation per pound of coal from and at 212° F	10.38 pounds
(J) Equivalent evaporation from and at 212° F. per pound dry combustible	11.73 pounds
(K) Coal per sq. ft. of grate per hour	12.23 pounds
(L) Maximum assumed possible error of test	2.73 per cent.
(M) Air per lb. coal from analysis of flue gases	24.5 pounds
(N) " " " " Formula $[12C + 36(H - \frac{O}{8})]$	10.6 "
(O) Excess air supplied	131 per cent.
(P) Heat carried off by flue gases	14 " "
(Q) Heat lost by radiation	16.8 " "
(R) Thermal efficiency of boiler plant	69.2 " "
(S) Boiler horse power developed (A S M E rating)	154.69

ENGINE TEST RESULTS.

(1)	Total revolutions in 24 hours			46,101
(2)	Revolutions per minute			32.01
		H.E.	P.E.	
(3)	Total HP of H Steam Cylinder	75.55	75.60	151.15
	“ “ “ L “ “	98.44	92.05	190.49
			Total	341.64
(4)	Total HP of pump opposite H Cylinder			162.8
	“ “ “ “ “ L “			162.2
			Total	325.0
(5)	Steam through cylinders in 24 hours			88,585 pounds
(6)	Total steam from jackets of cylinders and reheaters			21,793 “
(7)	Total steam from jackets of cylinders and reheaters not counting the steam drawn from jackets by air pump			15,397 “
(8)	Total lbs. of steam for engines and jackets, counting steam used by air pump			110,378 “
(9)	Total lbs. of steam for engines and jackets not counting steam used by air pump			103,982 “
(10)	Pounds steam, counting air pump steam, per HP for steam cylinders per hour			13.46 “
(11)	Pounds steam, not counting air pump steam, per HP for steam cylinders per hour			12.68 “
(12)	Steam required by plant for 24 hours, excepting steam used by jackets and returned			98,393 “
(13)	B T U required for the above			105,960,000
(14)	Jacket returns to boiler in 24 hours			15,397 pounds
(15)	Temperature of returns entering boiler			363.4 °F
(16)	B T U required for the above			13,083,000
(17)	Total B T U required by plant in 24 hours			119,043,000
(18)	B T U taken up from 1 pound of coal			10,027
(19)	Coal required for 24 hour			11,873 pounds
(20)	Cubic feet of water pumped in 24 hours			1,375,810 “
(21)	Weight of 1 cu. ft. of water at 53 °F			62.4 “

(22)	Capacity of pump in gallons per 24 hours at speed of 32.01 revolutions per min. (calculated from weir)	10,292,000 gals.
(23)	Displacement of pump plungers in cu. ft. in 24 hours	1,415,800 cu. ft.
(24)	Resistance overcome expressed in feet of water	185.15 ft.
(25)	Foot pounds of work done in 24 hours	15,895,000,000
(26)	Duty (foot lbs. of water work done for 100 lbs. coal)	133,880,000
(26)A	Duty (ft. lbs. of water work done per 100 lbs. dry coal)	139,900,000
(26)B	Duty-ft. lbs. of water work done per 1,000,000 B T U	150,010,000
(26)C	Duty (ft. lbs. of water work done per 100 lbs. coal from plunger displacement)	137,770,000
(27)	Coal per steam horse power per hour	1,343 pounds
(28)	Coal per horse power of actual work done	1,479 pounds
(29)	Slip	2.82%
(30)	B T U per HP per minute	223.9
(31)	Thermal efficiency of engine	18.95 %
(32)	Efficiency of a Carnot engine working between 181.0 lbs. gauge and 26.88" vacuum.	31.31 %
(33)	Per cent. efficiency of Carnot engine	60.52 %
(34)	Number of expansions	25.5

BOILER TEST DATA.

Kind of coal	George's Creek
Total grate area	42 square feet
Total heating surface	Tubes 1740 sq. ft.
	Front head 13 " "
	Back " 22 " "
	<hr/>
	Total 2031 " "

WEIGHTS.

(a) Pounds of coal fired in 24 hours	12,364 pounds
(b) Mixture from grate	911 "
(c) Good coal in mixture	33 "
(d) Pounds of coal burned as fired in 24 hours	12,331 "
(e) Total lbs. of water weighed in barrels in boiler room	120,925 "
(f) Total lbs. water used for damper regulator	6,117 "
(g) Total water feed to boiler in 24 hours	114,808 "
(h) Weights from jackets which would have been returned to boiler	15,397 "

TEMPERATURE.

Average temperature of room	76.8 °F.
" " " outside air	51. °F.
" " " flue	425. °F.
" " " feed water at weighing bbls.	53.7 °F.
" " " " after passing through heater (at boiler)	140. °F.

PRESSURES.

Average pressure at throttle gauge	181.0 pounds
" draught pressure (inches of water)	0.674 inches
Barometer (inches of mercury eq. 30.12)	14.79 "
Pressure at starting test	183.0 pounds
" " stopping test	182.5 "

TIME.

Time starting boiler test	11:15 a. m., April 10th
" ending " "	11:15 a. m., April 11th
Duration of test	24 hour

CHEMICAL ANALYSIS OF COAL.

H ₂ O	4.3
S+O+N	5.4
C	79.9
H	3.5
Ash	6.9
	<hr/>
	100.0

Heat of combustion of coal	14,517 B T U per lb.
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FLUE GAS ANALYSIS.

C O ₂	7.18
C O	0.17
O ₂	12.34
N ₂	80.31
	<hr/>
	100.00

ENGINE TEST DATA.

WEIGHTS.

1.	Weight of drip from L. P. jacket (24 hours)	704 pounds
2.	“ “ “ “ Separator and H.P. steam chest	269 “
3.	“ “ water through boilers	114,808 “
4.	Steam used by feed pump and air pump	9,539 “
5.	Steam used by calorimeter	1,018 “
6.	Steam used by jacket and returned	15,397 “

TEMPERATURES.

7.	Average temperature of engine room	82 °F.
8.	“ “ “ “ exhaust steam	121.2 °F.
9.	“ “ “ “ condensed steam leaving heater	69.0 °F.
10.	Average temperature of upper receiver	347.9 °F.
11.	“ “ “ “ lower receiver	267.4 °F.

PRESSURES.

Barometer (pounds per sq. in.)	14.79
Pressure at throttle	181.0
Vacuum in condenser (inches of mercury)	26.88
Pressure in upper receiver (gauge)	20.0
Pressure in lower receiver (gauge)	23.7

WATER.

Temperature of water (same as temperature of feed water at weighing barrels)	53. °F.
Average height of water on weir	.66 feet
Reading suction float	49.7107 feet.
Discharge pressure in lbs. per sq. in.	76.09
Feet of water to one lb. pressure	2.308

STEAM CARDS.

High			Low	
M. E. P.	H. E.	C. E.	H. E.	C. E.
.	48.66	51.70	13.11	12.41
Average per cent. cut off	20.2	18.2		

WATER CARDS.

M. E. P.	High	75.9	Low	75.6
Total revolutions				46,101
Revolutions per minute				32.01

The following statistics relate to the operations at this station during the year.

Total quantity pumped (gallons)	2,525,860,944
Total coal used (pounds)	3,043,426
Gallons pumped per pound of coal	830
Daily average quantity pumped (gallons)	8,047,585
Average head pumped against (feet)	187.75

The cost of pumping has been as follows:

1st—Figured on pumping Station expenses.

Fuel	\$7,977.92	
Labor	7,002.87	
Oil, packing, waste and lighting	318.11	
Repairs	268.22	
Small supplies	90.95	
		<hr/>
		\$15,658.07
Cost per million gallons pumped into reservoir		\$6 20
Cost per million gallons raised one foot high		31 ^{3.0} / ₁₀₀ cents.

2d—Figured on total maintenance.

Cost per million gallons pumped into reservoir	\$. 59.52
Cost per million gallons raised one foot high	31 ^{5.2} / ₁₀₀ cents.



WORKSHOP AND STORAGE PLANT — 1903

The Long Plain storing reservoir has remained full throughout the entire year. There has been no occasion to draw upon it. No work other than that necessary for ordinary maintenance has been done around this body of water. The Wilson dam is in good condition. The gate house has been overhauled and cleaned. The bridge connecting the gate house with the dam has received needed repairs. The brick conduit connecting the gate house with the receiving reservoir opposite the Purchase street pumping station has recently been cleaned and scrubbed for its entire length of $5\frac{1}{2}$ miles. Many loads of long roots and other debris were removed. The right of way over the conduit and the many culverts which cross it have been inspected. All underbrush growth has been removed and repairs made to the embankments. The conduit is in fair condition. A long list of repairs are necessary to place this structure in ideal condition. Viewed from the present outlook its future use appears uncertain. I therefore do not recommend a movement in the direction of elaborate repairs which I should feel necessary to do were there any prospects of an immediate call for its extended use.

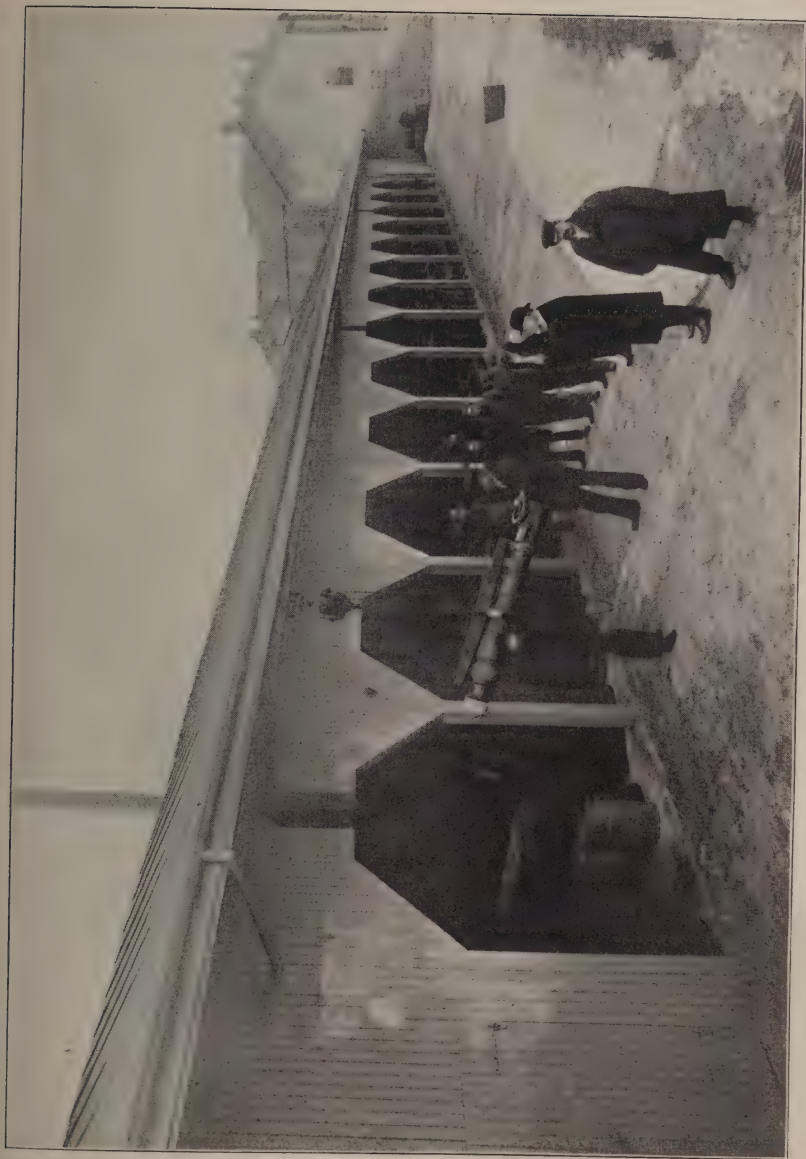
The receiving reservoir has been emptied and its bottom and sides cleaned and all collections removed. The gate house at this reservoir has been thoroughly overhauled and repaired. All connections between this reservoir and the Purchase street station have been inspected and found to be in good order. The pumping machinery at this station remains in the same condition as when last reported. Not in first class condition by any means but good enough to meet any requirements likely to occur. All parts are in readiness for a quick start in case of any emergency. It is important that the entire Long Plain system, from storing reservoir to and including the Purchase street station, be continued in its present condition, that it may be able to deliver a supply

in case of failure to any part of the single line of thirty-six inch main which at present connects the High Hill reservoir with the distributing system. This plan should be continued until all chances of such a failure are obviated by the construction of a duplicate line of pipe from that reservoir to the city.

The Mt. Pleasant reservoir is in good order. About the only work done here has been that necessary to maintain the slopes. This reservoir is kept filled. It is connected with the distributing system upon which connection is a check valve which prevents the water under the greater pressure, due to High Hill reservoir level, from entering. In case of a break in the High Hill supply pipe of sufficient magnitude to cause a drop in the pressure to a point below that due to the level of Mt. Pleasant reservoir, then this check valve will automatically open and remain open as long as this condition obtains. Under this condition the supply for the city would be drawn from the Mt. Pleasant reservoir.

The former workshop property on Water street just north of High street was abandoned early this year by reason of taking of its land in the development of the new bridge approach. The building was removed by employees of this department and the stone contained in its walls was used in construction upon the new shop location. It seems fortunate that the old shop has not been the scene of a serious accident, the walls being found to be in a very weak condition.

Work was commenced February 7th, in adapting the property purchased in February last of the Johnson Typesetter Co. and the David B. Kempton Estate, to meet the requirements of this department. This work was pushed with all possible activity but a serious delay was occasioned by a stipulation in the sale whereby possession to the larger portion of the building was withheld until July 1st. The work is now fully completed.



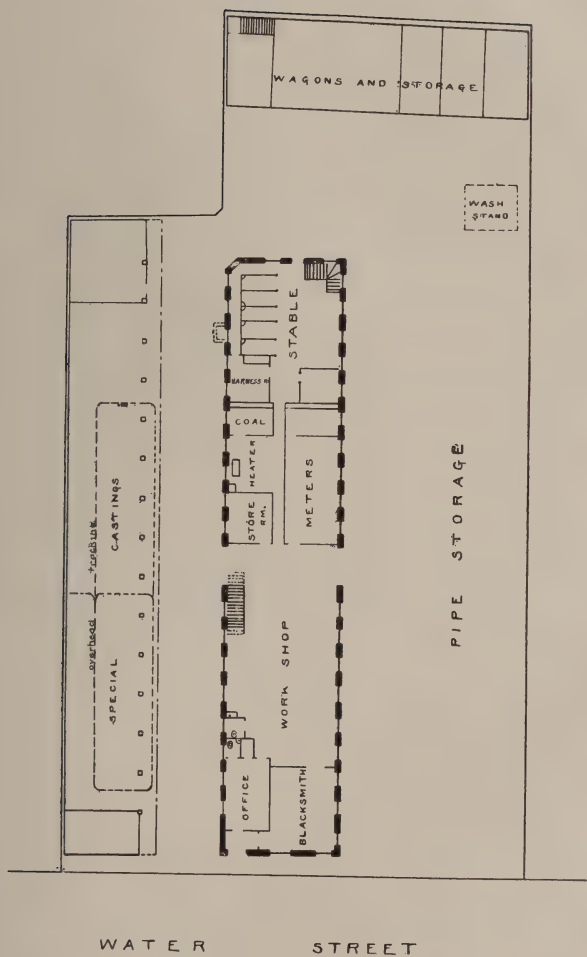
CASTING SHED AND WORKSHOP — 1903

The removal of all stock from the old to new location was completed February 18th. The property was then in poor condition to receive this removal. There had been no opportunity to make any of the necessary alterations to the building or to construct the new shed. All the available room was a small portion of the brick shop building totally insufficient to receive the stock in orderly condition. It was landed in large piles as best it could be. It was handled over many times previous to being located in places prepared for its permanent lodgment. All this required time, labor and expense.

In regard to the work in preparing the Johnson-Kempton property for the new activity which has been installed upon it, the following is a brief description as to what has been done. The bank wall in the rear of the lot has been reconstructed. A new drain connecting with the North street sewer has been placed. The lot has been graded and the driveways paved. In the rear of the lot a shed 81 x 24 feet, with a granolithic floor, has been built. This accomodates carriages, wagons and tool houses. The second floor is used for storage. South of the main shop a shed 172 x 20 feet with a granolithic floor has been built for the storage of special castings and other supplies. It is provided with a conveying apparatus operated upon an overhead tracking making it possible for one man to load or unload any castings there stored. Upon the north side of the brick shop is a space devoted to the storage of cast iron pipe of the various sizes used. A paved driveway extends completely around the building with entrances from Water street on both sides of the front of the building. In the open space at the rear there is located a stand for the washing of carriages, wagons, etc.

A fence has been located on the north and front line of the property, the sheds serving that purpose on the remaining lines. The main building is of brick. Its dimensions are 160' x 32'. This entire structure was

formerly used in the machine shop operations of the Johnson Typesetter Co. A stable has been provided in its westerly portion. Its floor dimensions are 37' x 32'. This is separated from the remainder of the building by a thick wall which extends to the roof. The only opening in this wall is a doorway on the first floor which leads into the passageway to the main shop. Upon the first floor of the stable are five single stalls, one box stall and a harness room. Beneath is a basement constructed for receiving the dressing. On the second floor is a hay loft. The entire stable is unusually light and well ventilated and is well adapted for its purpose. Commencing at the Water street front of the main building, the office is located upon the south part and the blacksmith shop upon the north portion. Back of these and extending the full width of the building is the general workshop. Here will be found the larger portion of the apparatus required in the special work of the department. At the west end of this open workshop large doorways have been cut through the walls on both sides of the building affording a passage for teams through the building from the driveways on either sides. A large opening in the floor overhead allows stock to be handled direct from teams to that floor. Just west of this, upon the north side, is a room where all operations connected with meter installments and repairs are conducted. This room extends to the brick partition wall of the stable. South of this is a narrow passage which extends from the main shop to the stable. South of this passageway and nearest the shop portion is a stock room for the supplies of small bulk. Back of this room are the hot water heater and the coal bins. The front part of the second floor is arranged for the storage of stock while the rear portion adjacent to the brick walls of this stable is fitted up as a carpenter shop. The heating apparatus is the "Bundy" boiler which was formerly in use in the old shop. Electric lighting has been installed



WORKSHOP AND STORAGE PLANT

1903

by the Witlow Corporation who also installed the Watchman clock which was formerly in use at the Purchase street station. All new carpentering work was done by employees of Francis W. Hammond. The plumbing was supplied by George E. Hatch. In the placing of the bank walls and laying of drains, assistance was given by the Street and Sewer department. All masonry and other work not enumerated above was done by the employees of this department. The total cost of the change from the old to the new location is as follows:

Cost of land and building	\$13,952.31	
Rebuilding bank wall	872.64	
Drain	677.49	
Grading and paving	1,253.56	
Carriage shed	1,355.28	
Casting shed	1,780.65	
Fence	395.76	
Altering building and stable	6,086.48	\$26,374.17
Tearing down old shop and removing	1,073.94	
Architect's fees on various plans	1,032.03	2,105.97
		<hr/>
		\$28,480.14

13,553 feet of main distributing pipe have been laid and 1,811 feet of that previously laid have been removed. The total mileage is now $100\frac{1255}{1000}$.

The 8" pipe in County street from Rivet to Cove has been replaced by a 16" main. I would recommend that this sixteen inch main be extended the coming year from its present terminus through Cove street to Water street and there connected with the three twelve inch mains which radiate in different directions from that point. The proposed extension of the sixteen inch main will furnish a very desirable reinforcement to the supply at the point indicated.

The 6" main in Logan street from Front street, east, 228 feet has been removed and replaced by 10" pipe.

The line of 6" flexible jointed pipe laid upon the river bottom in 1898 to furnish a supply from Fish Island to Pope's Island was irreparably damaged in the government dredging operations in 1899. It has since been out of commission. All the different parts were removed from the river bottom in April last. A few of the pipe gave evidence of electrolytic action. Some of the pipe was otherwise damaged. New castings have been obtained to replace those which were found to be damaged. It is proposed to relay this pipe as soon as it can conveniently be done.

A report from A. A. Knudson, Electrical engineer, stating the results of his examination of the electrical conditions of the underground piping of our system was presented to you on September 4th. No serious case of electrolysis was discovered in the city proper, but locations were indicated which it will be well to frequently inspect. The one location that required immediate attention was at the Beaver Dam, nine miles north of the City Hall. Here the steel force main passes beneath the tracks of the Old Colony Railway Company. Since the discovery of the conditions stated in Mr. Knudson's report, the Old Colony Street Railway Company have re-bonded their tracks and have added an overhead return current wire with frequent connection to the rails from Mason's corner, south to a point about seven and one half miles north from City Hall. It is expected that this construction will do much in the direction of providing a path of least resistance for the return electric current, thus preventing the flow which hitherto has passed through the steel force main. Whether or not this will obviate the whole difficulty will be determined by future tests.

There have been sixteen leaks upon the mains the past year as herewith shown.

WATER REPORT.

75

DATE	SIZE	LOCATION	CAUSE	COST
1902				
Dec. 1	6 in.	Wamsutta st., at hydrant east of Acushnet ave.	Joint started	\$9.56
1903				
Jan. 9	6 in.	Pleasant st., south of Linden	Joint started	4.07
Feb. 7	6 in.	Willis st., west of County	Joint started	4.31
Mar. 2	6 in.	Hickory st. and Dartmouth	Joint started	4.78
Mar. 5	8 in.	Hillman st., east of Second	Joint started	4.51
Mar. 7	36 in.	Mt. Pleasant, north of Nash road	Joint started	31.14
April 6	8 in.	Wamsutta mills, west of Front	Joint started	11.99
June 19	8 in.	Blackmer st., east of Water	Joint started	4.66
Aug. 17	6 in.	Hall st., south of Rockland	Joint started	7.91
Oct. 4	8 in.	Hillman st., west of Water	Joint started	8.24
Oct. 29	12 in.	Grinnell st., west of Water	Joint started	11.55
Oct. 29	16 in.	Linden st., at County	Pipe broken	61.71
Oct. 31	8 in.	Acushnet ave., south of Tarklin Hill road	Joint started	6.03
Nov. 17	6 in.	Blackmer st. and Acushnet ave.	Joint started	3.37
Nov. 20	4 in.	Bowditch st., south of Cedar Grove	Joint started	4.47
Nov. 7	8 in.	Maxfield and Ash sts.	Joint started	4.06

Nine hundred sixty-six feet of small sized distributing pipe (less than four inches) have been removed. The total length now in use is 4,674 feet.

Forty new stop gates have been set and five of those previously set have been removed. The total number now in use is 1,172.

Forty-three small sized stop gates (less than four inches) have been placed and seven of those previously set have been removed. The total number now in use is 114.

Two waste gates have been set. The total number now in use is 99.

Seventeen stop gates for private supplies have been set, and twenty-five of those previously set have been removed. The total number now in use is 220.

Thirty new hydrants have been set and eleven of those previously set have been removed. The total number now in use is 788.

Three hundred thirty-six service pipes have been laid and twenty-one of those previously laid have been removed. The total number now in use is 9,927.

Seventy-five service taps have been cleaned as follows: rust, 47; sediment, 15; trouble inside, 7; eels, 6.

By request of the Street Department, 41 stand pipes for filling sprinkling carts were erected in May and June. Some of these replace flush connections formerly used for that purpose. A complete list of sprinkling cart connections now in commission appear in table L.

The total number of motors is 132.

The total number of meters is 1,954. The list may be divided as follows:

Manufacturing supplies,	94
Domestic supplies,	1,856
Public supplies,	4

The following is a list of the different patterns used:

Crown,	245
Union Rotary,	149
Hersey,	106
Hersey disc,	516
Empire,	121
Nash,	329
Trident,	163
Gem,	10
Lambert,	312
Thomson,	3

A large drinking fountain of the Jenks pattern was placed at the intersection of Bolton road and Rivet street in November. The following is a complete list of the drinking fountains connected with our distributing system.

1 West French ave., at Cove street,	Horse bowl
2 Bolton road, at junction of Rivet street,	Jenks
3 Sixth street, at junction of County street,	Jenks
4 Allen street, at head of Bonney street,	Nash
5 Acushnet ave., at Cannon street,	Nash
6 Front street, foot of School street,	Horse bowl
7 Front street, foot of School street,	Nash (drinking only)
8 Union street, corner Bethel street,	Nash
9 Market st., bet'n Pleasant and Sixth sts.,	Jenks
10 Court street, west of Jenney street,	Horse bowl
11 Elm street, west of Purchase street,	Nash
12 Kempton street, at junction of Mill street,	Jenks
13 Hillman street, at corner of County street,	Nash (drinking only)
14 County street, at corner of Smith street,	Nash
15 Purchase street, at corner of Pearl street,	Nash
16 Shawmut ave., at corner of Durfee street,	Jenks
17 Acushnet ave., at junction of Weld street,	Jenks

I would here renew the recommendation made in my last report, i. e., "Taking out Nos. 2, 3, 9, 12, 16 and 17; the remainder are of an antiquated pattern and are more or less worn out. I would recommend that Nos. 1, 4, 5, 6 and 7 be taken out the coming year and replaced by a modern pattern of fountain. In the case of the first three, a new location, near at hand, will probably be an improvement; and one fountain will be sufficient to replace Nos. 6 and 7."

MONTHLY CONSUMPTION AND RECORD OF PRESSURE
AT THE CITY HALL.

1903 MONTH	Monthly Consumption	Daily Average	Pounds Pressure 10 A. M.			Pounds Pressure Midnight		
	Gallons	Gallons	Max.	Min.	Av.	Max.	Min.	Av.
January,	212,375,620	6,850,826	61	52	56	62	61	61
February,	192,350,322	6,869,654	61	52	56	62	61	61
March,	198,866,300	6,415,042	61	52	56	63	61	62
April,	194,873,412	6,495,780	61	52	56	62	60	61
May,	219,395,864	7,077,285	61	50	55	62	61	61
June,	206,125,616	6,870,837	60	51	55	63	61	62
July,	231,181,706	7,457,474	59	52	55	63	60	62
August,	215,313,046	6,945,582	60	53	56	63	60	62
September,	215,901,446	7,196,715	59	52	55	63	57	62
October,	220,150,728	7,101,636	59	53	56	63	61	62
November,	209,972,892	6,773,319	60	53	57	64	62	63
December,	218,773,628	7,057,214	60	56	58	64	61	63
Averages,	211,273,382	6,945,974	61	50	56	64	57	62

COMPARISON OF THE CONSUMPTION OF THE YEAR 1903
WITH THE RECORD OF THE 21 PREVIOUS YEARS.

Year	Estimated population	Estimated number of consumers	Total number of gallons consumed	Average daily consumption	Number of taps	Gallons per day to each inhabitant	Gallons per day to each consumer	Gallons per day to each tap
1882	28,500	20,424	859,119,622	2,326,352	4,203	82	114	553
1883	30,000	22,249	849,059,700	2,326,191	4,465	78	105	521
1884	33,000	23,749	867,815,595	2,371,080	4,691	72	100	506
1885	33,700	25,375	1,049,801,050	2,876,167	4,965	85	113	579
1886	34,500	28,480	1,086,534,615	2,976,807	5,225	86	104	569
1887	36,000	30,080	1,112,302,789	3,047,404	5,495	85	101	555
1888	37,500	31,826	1,229,841,794	3,360,223	5,785	89	109	581
1889	40,000	34,000	1,310,488,214	3,590,379	6,104	90	106	588
1890	41,500	35,740	1,485,143,213	4,066,200	6,394	98	114	636
1891	45,000	38,500	1,513,161,482	4,145,648	6,742	92	108	615
1892	50,000	41,776	1,607,955,166	4,393,320	7,134	88	105	616
1893	55,000	44,158	1,824,275,536	4,998,015	7,531	99	113	664
1894	56,000	44,661	1,747,167,532	4,786,760	7,767	85	107	616
1895	56,300	46,154	1,719,830,979	4,711,866	8,027	84	102	587
1896	59,000	48,570	1,924,800,313	5,259,017	8,447	89	108	623
1897	60,000	50,000	2,071,702,478	5,675,897	8,860	95	113	641
1898	58,000	50,000	2,156,277,643	5,907,610	9,014	102	118	655
1899	58,000	50,000	2,261,115,500	6,194,837	9,151	107	124	677
1900	62,500	55,000	2,306,997,774	6,320,542	9,290	101	115	681
1901	65,000	57,000	2,150,199,262	5,890,957	9,447	91	103	624
1902	70,000	61,000	2,325,807,038	6,372,074	9,612	91	104	663
1903	72,000	62,000	2,535,280,580	6,945,974	9,927	96	112	700

The maximum daily consumption was on Friday, May 29th, 10,045,962 gallons. The minimum was on Sunday, March 8th, 4,081,300 gallons. The consumption has exceeded 9,000,000 gallons on four days, and 8,000,000 gallons on twenty-eight days. The total consumption for the year was 2,535,280,580 gallons.

In the daily average consumption of the past year (6,945,974 gallons,) we note an increase of 751,137 gallons in the four years since the "Further Supply" was installed. The capacity of the "Further Supply" is not unlimited as is sometimes stated. The daily supply is gradually approaching 10,000,000 gallons which is about the amount that the new plant is expected to safely supply. That a large proportion of each day's supply is allowed to run to waste by careless takers and that an effective curtailment in the amount supplied will surely follow the general installation of meters, especially if applied to supplies having wasteful tendencies, are well known facts.

Respectfully submitted,

R. C. P. COGGESHALL,

Superintendent.

TABLE A.

STATEMENT OF WORK DONE BY LEAVITT ENGINE A FOR YEAR ENDING DECEMBER 1, 1903.

Diameter steam cylinders, 16 3/8 and 36 1/4 in.
 Diameter pump plungers, 13 7/10 and 19 3/8 in.
 Stroke of pistons and pump plungers, 90 in.

Average working steam pressure, 185 lbs.
 Average static head, 166.94 ft.

MONTHS.	Number of days or parts of days pumping.	Total pumping time		Total number of strokes per month.	Average number of strokes per minute.	Total fuel used for all purposes.	Total number of gallons pumped per month, allowance being made for slip.	Number of gallons pumped per pound of coal, for total coal.	Number of gallons raised 100 feet per pound of coal.	Average dynamic head against pump in feet, no allowance for friction in suction.	Average duty in pounds raised one foot high per 100 pounds of coal, calculated on total fuel used for all purposes; no deductions.
		H.	M.			LBS.					
December, 1902	27	491	40	943,036	32.0	253,625	209,333,902	825	1,553	188.25	129,505,580
January, 1903	27	504	50	967,510	31.9	269,600	214,787,220	797	1,495	187.50	124,641,964
February,	24	461	40	868,351	31.4	245,725	192,907,122	785	1,477	188.16	123,194,771
March,	24	438	00	820,166	31.2	230,350	182,076,852	790	1,477	186.98	123,261,579
April,											
May,											
June,											
July,											
August,											
September,											
October,											
November,											
Totals and avgs.	102	1896	10	3,599,663	31.6	990,300	799,125,186	799	1,500	187.75	125,217,471

The duty is based on total fuel used for all purposes. This includes banking fires, starting, heating building, running shop engine during day and electric light engine at night. No deductions for ashes, moisture in coal or anything else.

TABLE A.
STATEMENT OF WORK DONE BY LEAVITT ENGINE B FOR YEAR ENDING DECEMBER 1, 1903.

Diameter steam cylinders, 16.3-8 and 36 1-4 in.
Diameter pump plungers, 13.7-10 and 19.3-8 in.
Stroke of pistons and pump plungers, 90 in.

Average working steam pressure, 185 lbs.
Average static head, 106.94 feet.

MONTHS.	Total pumping time		Total number of strokes per month.	Average number of strokes per minute.	Total fuel used for all purposes.	Total number of gallons pumped per month, allowance being made for slip.	Number of gallons pumped per pound of coal, for total coal.	Number of gallons raised 100 feet per pound of coal, for total coal.	Average dynamic head against pump in feet; no allowance for friction in suction.	Average duty in pounds raised one foot high per 100 pounds of coal; calculated on total fuel used for all purposes; no deductions.
	H.	M.			LBS.					
December, 1902										
January, 1903	2					16,047.048	668	1,246	186.51	103,896,263
February, "	26	38	72,284	31.7	24,025	162,462.012	897	1,507	186.72	125,704,296
March, "	26	430	866,946	32.1	238,425	192,462.012	897	1,507	186.72	133,866,428
April, "	26	505	974,112	32.1	231,900	216,232.864	858	1,630	186.97	133,726,531
May, "	26	492	952,678	31.4	248,976	211,494.516	849	1,602	188.76	134,388,799
June, "	27	539	1,040,523	32.1	268,300	230,906.106	861	1,611	187.16	131,920,706
July, "	27	484	969,043	33.3	255,550	245,127.546	841	1,580	187.57	133,995,586
August, "	26	494	957,493	32.2	248,700	242,563.446	854	1,605	187.98	135,425,285
September, "	27	527	1,017,574	32.1	261,700	225,901.428	862	1,621	188.15	135,425,285
October, "	25	480	927,436	32.1	246,550	205,890.792	831	1,567	188.58	130,956,489
November, "										
Totals and avgs.	212	4012 05	7,778,080	32.3	2,044,126	1,726,735.758	845	1,586	187.75	132,270,872

The duty is based on total fuel used for all purposes. This includes banking fires, starting, heating building, running shop engine during day and electric light engine at night. No deduction for ashes, moisture in coal or anything else.

TABLE B.

LOCATION AND SIZE OF CAST IRON MAIN PIPE LAID
IN 1903.

LOCATION.	16 in.	10 in.	8 in.	6 in.	4 in.
Belleville ave., from Howard ave., north.	1535		497		185
Cleveland st., from Ruth st., south.					
Coggeshall st., from Bowditch st., west.				514	
Collette st., from Church st., east.				612	
Collette st., from 4 ft. east of Bowditch st., east.				234	
Collette st., from terminus 109 ft. east of Front st., east.				48	
County st., from Rivet st. to 22 ft. south of north line Cove st.					
Davis st., from 378 ft. west of Bowditch st. to 363 ft. east of Church st.				358	
DeWolf st., from Durfee st., north.				256	
Diman st., from Belleville rd. to Eugenia st.				234	
Division st., from terminus 157 ft. west of Second st., west.				194	
Eugenia st., from Diman st., east.				497	
Fair st., from terminus 121 ft. west of Bonney st., west.				347	
First st., from terminus 220 ft. north of Cove st., north.					357
First st., from Cove st., south.				157	
Front st., from Hathaway st., south.				96	
Front st., from 64 ft. south of Whitman st., south.				329	
Grape st., from Rural st., west.				152	
Hathaway st., from Bowditch st., west.				33	
Hazard st., from Ashland st., east.				183	
Hemlock st., from Rockland st., north.				126	
Hillman st., from 187 ft. west of Parker st., west.				56	
Holly st., from terminus 115 feet west of Front st. to Acushnet ave.				255	
Holly st., from terminus 145 feet west of Acushnet ave. to 4 ft. east of Bowditch st.				402	
Howard ave. from 365 ft. east of Acushnet ave. to Belleville ave.				347	
Jean st., from terminus 431 ft. south of Sawyer st. to Coggeshall st.					64
Kenyon st., from Front st., east.				219	

TABLE B. (Continued).

LOCATION.	16 in.	10 in.	8 in.	6 in.	4 in.
Logan st., from Acushnet ave., east.		228			
Manomet st., from terminus 183 ft. east of Riverside ave., east.		26			
Maxfield st., from 415 ft. east of Rockdale ave., east.			190		
Morgan st., from Florence st., west.				144	
Morgan's lane, from Water to Second sts.					390
Nash rd., from Front st., east.		165			
Nelson st., from terminus 542 ft. west of County st., west.				273	
Norman st., from Brock ave., east.				403	
Nye st., from terminus 313 ft. west of Acushnet ave. to 3 ft. east of Bowditch st.					
Orchard st., from terminus 278 ft. south of Washington st., south.				243	
Penniman st., from 112 ft. west of County st., west.			36		
Perry st., from 286 ft. east of Acush- net ave., east.					24
Phillips ave., from Belleville ave., west.				138	
Phillips ave., from terminus 142 ft. west of Acushnet ave. to 4 ft. east of Bowditch st.				287	
Russell st., from terminus 180 ft. west of Sixth st. to County st.				312	
Sycamore st., from 10 ft. west of Chancery st., west.				258	
Tallman st., from Acushnet ave., east.				223	
Tinkham st., from Acushnet ave., west.				359	
Trinity st., from Shawmut ave., east.				878	
Union st., from 61 ft. west of James st. to Rotch st.				230	
Ward st., from terminus 152 ft. north of Allen st., north.				219	
Whitman st., from Diman st., east.				199	41
Totals,	1535	419	723	9815	1061

CAST IRON PIPE REMOVED IN 1903.

LOCATION.	8 in.	6 in	4 in.
County st., from Rivet st. to 22 ft. south of Cove st.	1535		
Logan st., from Acushnet ave., east.		228	
Taber's wharf, from Front st., east.			48
Totals,	1535	228	48

SUMMARY.
PIPE LAID AND REMOVED.

	36 in.	30 in.	24 in.	20 in.	16 in.	12 in.	10 in.	8 in.	6 in.	4 in.
Previous to 1903, Laid in 1903,	21,532	6,657	7,529	11,290	29,616 1,535	20,473	40,963 419	112,961 723	181,657 9,815	84,248 1,061
Total laid, Removed in 1903,	21,532	6,657	7,529	11,290	31,151	20,473	41,382	113,684 1,535	191,472 228	85,309 48
Total now in use,	21,532	6,657	7,529	11,290	31,151	20,473	41,382	112,149	191,244	85,261

Total length laid in 1903,	13,553 feet, or	2.5669 miles.
Total length removed in 1903,	1,811 feet, or	.3430 miles.
Total length of pipe in use Dec. 1, 1903,	528,668 feet, or	100.1265 miles.

TABLE C.

LOCATION AND SIZE OF SMALL SIZED DISTRIBUTION
PIPE REMOVED IN 1903.

LOCATION.	2 in. wro't iron	2 in. lead	$\frac{3}{4}$ in. lead
Ward st., from Allen st., north, Bridge st., on Fish Island,	760	20	186
Totals,	760	20	186

Laid previous to 1903,	5,640 ft.
Removed in 1903,	966 ft.

Total length in use Dec. 1, 1903, 4,674 ft., or .8852 miles.

TABLE D.
LOCATION AND SIZE OF STOP GATES SET IN 1903.

LOCATION.	16 in.	10 in.	8 in.	6 in.	4 in.
Acushnet ave , north of Wamsutta, 571 ft.			1		
Acushnet ave., north of Wamsutta, 565 ft.			1		
Cleveland st., south side of Ruth.			1		
Coggeshall st., east side of Jean.				1	
Coggeshall st., west side of Bowditch.				1	
Collette st., east side of Church.				1	
County st., south side of Rivet.	1				
County st., south side of Mosher.	1				
DeWolf st., north side of Durfee.				1	
Diman st., south side of Belleville road.				1	
Division st., east side of County.				1	
Fair st., west side of Orchard.				1	
First st., south side of Cove.				1	
Front st., south side of Nash road.				1	
Front st., north side of Nash road.				1	
Front st., north of Wamsutta, 398 ft.			1		
Front st., north of Wamsutta, 392 ft.			1		
Grape st , west side of Rural.				1	
Hazard st., east side of Ashland.				1	
Hemlock st., north side of Rockland.				1	
Holly st., east side of Acushnet ave.				1	
Howard ave., west side of Belleville ave.				1	
Jean st., north side of Coggeshall.					1
Kenyon st., east side of Front.				1	
Logan st., east of Acushnet ave., 194 ft.		1			
Logan st., east of Acushnet ave., 187 ft.		1			
Morgan st., west side of Florence.				1	
Morgan's lane, west side of Water.					1
Norman st., east side of Brock ave.				1	
Phillips ave., west side of Belleville ave.				1	
Russell st., east side of County.				1	
Sawyer st., east of Mitchell, 310 ft.			1		
Sawyer st., east of Mitchell, 322 ft.			1		
Tallman st., east side of Acushnet ave.				1	
Tinkham st , west side of Acushnet ave.				1	
Tinkham st., west side of Bowditch.				1	
Trinity st., east side of Shawmut ave.				1	
Union st., east side of Rotch st.				1	
Wamsutta st., west of Front, 255 ft.			1		
Wamsutta st., west of Front, 263 ft.			1		
Totals,	2	2	9	25	2

STOP GATES REMOVED IN 1903.

LOCATION.	8 in.	6 in.	4 in.
County st., north side of Division,	1		
County st., south side of Rivet,	1		
Logan st., east side of Acushnet ave.,		1	
Taber's wharf, east side of Front,			1
Howland's wharf, transfered to private list— "Water st. at Garfield and Proctor Coal Co."			1
Totals,	2	1	2

Number of stop gates set in 1903,	40
Number removed,	5
	—
To be added,	35
Number in use at date of last report,	1,137
	—
Number in use Dec. 1, 1903,	1,172

TABLE E.
SMALL SIZED STOP GATES SET IN 1903.

LOCATION.	SIZE.
Allen st., at watering cart hydrant, south side, west of Oak,	2 inch.
Austin st., at watering cart hydrant, south side, west of Purchase,	" "
Blackmer st., at watering cart hydrant, south side, east of Second,	" "
Bolton road, at watering cart hydrant, west side, south of Rivet,	" "
Bonney st., at watering cart hydrant, west side, south of Grinnell,	" "
Bonney st., at watering cart hydrant, west side, south of Rockland,	" "
Coggeshall st., at watering cart hydrant, south side, west of Acushnet ave.,	" "
Cottage st., at watering cart hydrant, west side, north of Sycamore,	" "
Cottage st., at watering cart hydrant, west side, north of Mill,	" "
Cottage st., at watering cart hydrant, west side, south of Hawthorne,	" "
Cottage st., at watering cart hydrant, west side, north of Allen,	" "
County st., at watering cart hydrant, west side, north of Sawyer,	" "
County st., at watering cart hydrant, west side, north of Clark,	" "
County st., at watering cart hydrant, west side, north of Allen,	" "
Court st., at watering cart hydrant, south side, west of County,	" "
Court st., at watering cart hydrant, south side, east of Cottage,	" "
Dartmouth st., at watering cart hydrant, east side, north of Weaver,	" "
Franklin st., at watering cart hydrant, south side, west of Purchase,	" "
Fourth st., at watering cart hydrant, west side, south of Union,	" "

LOCATION.	SIZE.
Grinnell st., at watering cart hydrant, south side, east of County,	2 inch.
Hazard st., at watering cart hydrant, south side, west of Pleasant,	" "
Hillman st., at watering cart hydrant, south side, west of Pleasant,	" "
Linden st., at watering cart hydrant, south side, east of County,	" "
Madison st., at watering cart hydrant, south side, west of County,	" "
Madison st., at watering cart hydrant, south side, east of Fourth,	" "
Madison st., at watering cart hydrant, south side, west of Water,	" "
Middle st., at watering cart hydrant, south side, west of Purchase,	" "
Mill street, at watering cart hydrant, south side, east of County,	" "
Mosher st., at watering cart hydrant, south side, east of Crapo,	" "
Oak street, at watering cart hydrant, south side, west of Dartmouth,	" "
Parker st., at watering cart hydrant, south side, west of County,	" "
Pearl st., at watering cart hydrant, south side, west of Pleasant,	" "
Rivet st., at watering cart hydrant, south side, west of County,	" "
Second st., at watering cart hydrant, west side, north of Cove,	" "
Second st., at watering cart hydrant, west side, south of Potomska,	" "
Second st., at watering cart hydrant, west side, south of Grinnell,	" "
Second st., at watering cart hydrant, west side, south of Cannon,	" "
Sycamore st , at watering cart hydrant, south side, west of County,	" "
Union st., at watering cart hydrant, south side, west of Water,	" "
Washburn st., at watering cart hydrant, south side, east of Acushnet ave.,	" "
Weld st., at watering cart hydrant, south side, east of Mt. Pleasant,	" "

OMITTED IN A FORMER REPORT.

Commercial st., at watering cart hydrant, south side, east of Water,	2 inch.
Elm st., at watering cart hydrant, south side, west of Purchase,	" "

SMALL SIZED STOP GATES REMOVED IN 1903.

Bonney st., at watering cart hydrant, southwest corner of Grinnell,	2 inch.
County st., at watering cart hydrant, west side, north of Allen,	" "
Grinnell st., at watering cart hydrant, south side, east of County,	" "
Madison st., at watering cart hydrant, south side, east of Fourth,	" "
Madison st., at watering cart hydrant, south side, west of County,	" "
Robeson st., at watering cart hydrant, south side, west of Cedar,	" "
Sycamore st., at watering cart hydrant, south side, west of County,	" "

Number set during 1903,	43
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Number removed during 1903,	7
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Number to be added,	36
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Number in use at date of last report,	78
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Number in use Dec. 1, 1903,	114
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TABLE F.
WASTE GATES SET IN 1903.

LOCATION.	4 in.	1 in.
Cottage st., south of Campbell, 57 feet, County st., at Mosher,	1	1
Totals,	1	1

Number set in 1903,	2
Number in use at date of last report,	97
Number in use Dec. 1, 1903,	99

TABLE G.
PRIVATE STOP GATES SET IN 1903.

LOCATION.	10 in.	6 in.	4 in.	3 in.	2 in.
Acushnet ave., at Parsons' Steam Laundry.					1
Bridge st., at Anthony, Swift & Co.				1	
Coffin st., at F. T. Akin & Co.					1
Commercial st., at N. Y., N. H. & H. R. Co.				1	
Front st., at J. L. Humphrey.			1		
Logan st., at Wamsutta mills.	1				
Nye st., at St. Anthony's church.					1
Sawyer st., at Bennett mills.	1				
Sycamore st., at State Armory.			1		
Water st., at Garfield & Proctor. (Trans- ferred from public list.)			1		
OMITTED IN FORMER REPORTS.					
Bolton road, at Rotch mill No. 2, meter.		1			
Coggeshall st., at N. E. Cotton Yarn— Bennett division, meter.		2			
Front st., at Rotch's wharf, foot of Hamilton.				2	
Front st., at Acushnet mill meter.			1		
Union st., at City (Taber's) wharf meter.					1
Totals,	2	3	4	4	4

PRIVATE STOP GATES REMOVED IN 1903.

LOCATION.	6 in.	4 in.	3 in.	2 in.
Acushnet ave., at Wamsutta mill, No. 4.	3			
Acushnet ave., at Wamsutta mill, No. 5.	2			
Ark lane, at W. W. Pipe yard.		1		
Bullard st., at St. Anthony's church.				1
Front st., at Wamsutta mill, No. 7.	1			
Front st., at Wamsutta cotton sheds.	1			
Front st., at Wamsutta cotton sheds.		1		
Fourth st., at Morse Twist Drill.		1		
Geo. Howland's wharf, east of Water.			1	
Kempton st., north side, 19 ft. west of Purchase.			1	
Merrill's wharf, 204 ft. east of Front.			1	
Purchase st., 30.2 ft. north of William.			1	
Rotch's So. wharf, 180.5 ft. east of Front.			1	
Rotch's No. wharf, 180.5 ft. east of Front.			1	
Rotch's wharf, 181.8 ft. east of Front.			1	
Sawyer st., at Bennett mill.	3			
Taber's wharf, at meter, 1.7 ft. east of R.R. fence.		1		
Union st., at Geo. M. Eddy & Co.			1	
Wamsutta st., at Wamsutta mill, No. 3.	1			
Wamsutta st., at Wamsutta mill, No. 2.	1			
Totals,	12	4	8	1

Number added to Dec. 1, 1903,	17
Number removed,	25
To be deducted,	8
Number in use at date of last report,	228
Number in use Dec. 1, 1903,	220

TABLE H.

LOCATION OF HYDRANTS SET IN 1903.

Belleville ave., west side, 143 feet north of Howard ave.
Butler st., southwest corner of Fern.
Cleveland st., west side, 478 feet south of Ruth.
Coggeshall st., south side, 203 feet west of Jean.
Collette st., south side, 238 feet east of Bowditch.
Collette st., south side, 580 feet east of Church.
Davis st., south side, 555 feet east of Church.
DeWolf st., west side, 220 feet north of Durfee.
Division st., southeast corner of County.
Eugenia st., south side, 464 feet east of Diman.
Fair st., southwest corner of Briggs.
First st., west side, 141 feet south of Cove.
First st., west side, 29 feet north of Jennings' court.
Front st., west side, 393 feet south of Whitman.
Grape st., south side, 137 feet west of Rural.
Hillman st., south side, 92 feet east of Newton.
Howard ave., southwest corner of Belleville ave.
Manomet st., south side, 208 feet east of Riverside ave.
Maxfield st., south side, 127 feet east of Beech.
Nelson st., south side, 814 feet west of County.
Norman st., south side, 342 feet east of Brock ave.
Perry st., southwest corner of Kearsarge.
Sawyer st., north side, 170 feet east of Mitchell.
Tallman st., southwest corner of Front.
Tinkham st., south side, 314 feet west of Bowditch.
Trinity st., south side, 203 feet east of Shawmut ave.
Union st., southeast corner of Rotch.
Ward st., west side, 195 feet north of Allen.
Whitman st., south side, 166 feet east of Diman.
Winsor st., southwest corner of County.

HYDRANTS REMOVED IN 1903.

Butler st., south side, 287 feet east of Middle Point road. Flush.
 County st., west side, 71 feet north of Division. Post.
 County st., northwest corner of Winsor. Post.
 Davis st., south side, 362 feet east of Church. Post.
 Davis st., south side, 377 feet west of Bowditch. Post.
 Howard ave., south side, 364 feet east of Acushnet ave. Post.
 Maxfield st., south side, 23 feet west of Beech. Post.
 Perry st., south side, 270 feet east of Acushnet ave. Post.
 Rockdale ave., west side, 126 ft. north of Milton. Post.
 Russell st., south side, 179 feet, west of Sixth. Post.
 Union st., south side, 61 feet west of James. Post.

Number set during 1903,	30
Number removed during 1903,	11
	<hr/>
Number to be added,	19
Number in use at date of last report,	769
	<hr/>
Number in use Dec. 1, 1903,	788

TABLE I.

LOCATION OF WATERING CART STAND PIPES
SET IN 1903.

Allen st., south side, 74 feet west of Oak.
Austin st., south side, 19 feet west of Purchase.
Blackmer st., south side, 18 feet east of Second.
Bolton road, west side, 25 feet south of Rivet.
Bonney st., west side, 18 feet south of Grinnell.
Bonney st., west side, 49 feet south of Rockland.
Coggeshall st., south side, 18 feet west of Acushnet ave.
Cottage st., west side, 17 feet north of Sycamore.
Cottage st., west side, 18 feet north of Mill.
Cottage st., west side, 19 feet south of Hawthorne.
Cottage st., west side, 18 feet north of Allen.
County st., west side, 19 feet north of Sawyer.
County st., west side, 31 feet north of Clark.
County st., west side, 34 feet north of Allen.
Court st., south side, 20 feet west of County.
Court st., south side, 19 feet east of Cottage.
Dartmouth st., east side, 20 feet north of Weaver.
Franklin st., south side, 19 feet west of Purchase.
Fourth st., west side, 16 feet south of Union.
Grinnell st., south side, 30 feet east of County.
Hazard st., south side, 19 feet west of Pleasant.
Hillman st., south side, 18 feet west of Pleasant.
Linden st., south side, 12 feet east of County.
Madison st., south side, 40 feet west of County.
Madison st., south side, 19 feet east of Fourth.
Madison st., south side, 50 feet west of Water.
Middle st., south side, 26 feet west of Purchase.
Mill st., south side, 20 feet east of County.
Mosher st., south side, 121 feet east of Crapo.
Oak st., south side, 19 feet west of Dartmouth.
Parker st., south side, 19 feet west of County.
Pearl st., south side, 59 feet west of Pleasant.
Rivet st., south side, 20 feet west of County.
Second st., west side, 19 feet north of Cove.
Second st., west side, 17 feet south of Potomaska.
Second st., west side, 21 feet south of Grinnell.
Second st., west side, 21 feet south of Cannon.

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Sycamore st., south side, 80 feet west of County.
 Union st., south side, 23 feet west of Water.
 Washburn st., south side, 20 feet east of Acushnet ave.
 Weld st., south side, 80 feet east of Mt. Pleasant.

FLUSH CONNECTIONS REMOVED.

Bonney street, southwest corner of Grinnell.
 County st., west side, 32.2 feet north of Allen.
 Grinnell st., south side, 31 feet east of County.
 Madison st., south side, 17 feet east of Fourth.
 Madison st., south side, 39 feet west of County.
 Robeson st., south side, 38 feet west of Cedar.
 Sycamore st., south side, 77 feet west of County.

Number set during 1903,	41
Number removed during 1903,	7
	—
Number to be added,	34
Number in use at date of last report,	51
	—
Number in use Dec. 1, 1903,	85

TABLE J.

STATEMENT OF WORK DONE BY THE SERVICE
DEPARTMENT FOR THE YEAR ENDING DEC. 1, 1903.

KIND AND SIZE.	Number of Services.	Length on Taker.	Length on City.
Lead pipe, $\frac{1}{2}$ inch heavy.	56	1168	498.5
Lead pipe, $\frac{3}{8}$ inch heavy.	126	2953	1986.5
Lead pipe, $\frac{5}{8}$ inch light.	57	1251	706.
Lead pipe, $\frac{3}{4}$ inch heavy.	3	57	81.
Lead pipe, $\frac{3}{4}$ inch light.	39	760	749.5
Lead pipe, 1 inch heavy.	6	115	208.5
Lead pipe, 1 inch light.	1	14	117.5
Cast iron pipe, 8 inch.	1		
Cast iron pipe, 4 inch.	1		51.
Cast iron pipe, 2 inch.	44		932.
Cast iron pipe, 3 inch.	2		89.
Totals,	336	6318	5419.5

One 2 inch heavy lead service has been removed and replaced by $\frac{3}{4}$ inch heavy lead.

One $\frac{3}{4}$ inch iron service has been removed and replaced by $\frac{3}{4}$ inch light lead.

One 1 inch iron service has been removed and replaced by 1 inch light lead.

One $\frac{1}{2}$ inch iron service has been removed and replaced by $\frac{5}{8}$ inch heavy lead.

One $\frac{5}{8}$ inch iron service has been removed and replaced by $\frac{5}{8}$ inch light lead.

Two $\frac{5}{8}$ inch iron services have been removed and replaced by $\frac{5}{8}$ inch heavy lead.

Four $\frac{5}{8}$ inch heavy, two $\frac{1}{2}$ inch heavy, one $\frac{3}{4}$ inch heavy, five $\frac{5}{8}$ inch light, three 1 inch heavy, one $\frac{3}{4}$ inch light, one 2 inch iron, one 4 inch cast iron, two 6 inch cast iron, and one 3 inch cast iron service have been removed.

Seven connections to services previously laid have been made by owners.

Length of service pipe laid during the year, 11,737 feet or 2.2230 miles.

Total number of services in use Dec, 1, 1903, 9,927.

TABLE K.

· AIR TAPS IN USE DECEMBER 1, 1903.

LOCATION.	SIZE.
Ashland st., southeast corner Linden,	$\frac{3}{4}$ inch
Bridge, in gate box west side Pope's Island,	$\frac{5}{8}$ "
Cedar st., west side, north Maitland,	1 "
Cedar Grove st., southeast corner State,	$\frac{3}{4}$ "
County st., west side, north of Locust,	$\frac{3}{4}$ "
County st., southwest corner Hillman,	$\frac{3}{4}$ "
County st., west side, north of Kempton,	$\frac{3}{4}$ "
County st., southwest corner Morgan,	$\frac{3}{4}$ "
County st., west side, head of Spring,	1 "
County st., west side, south of Bedford,	1 "
Dean st., southwest corner Purchase,	$\frac{3}{4}$ "
Durfee st., south side, west of Cottage,	1 "
Elm st., south side, east of County,	$\frac{3}{4}$ "
Grant st., south side, east of Mt. Pleasant st., 366 feet,	1 "
Hillman st., south side, east of County,	$\frac{3}{4}$ "
Kempton st., south side, east of County,	$\frac{3}{4}$ "
Middle st., south side, east of County,	$\frac{3}{4}$ "
Morgan st., south side, west of County st., 137 feet,	$\frac{5}{8}$ "
Mt. Pleasant st., west side, north of King's Highway,	1 "
Mt. Pleasant st., west side, north of Nash road,	1 "
Mt. Pleasant st., north side gate box No. 40, south of Peckham st.,	$\frac{3}{4}$ "
Mt. Pleasant st., south side gate box No. 40, south of Peckham st.,	$\frac{3}{4}$ "
Mt. Pleasant st., east side gate box No. 41,	$\frac{5}{8}$ "
Mt. Pleasant st., south side gate box No. 42, south of Peckham st.,	$\frac{3}{4}$ "
Mt. Pleasant st., north side Durfee, in 30 inch gate box,	$\frac{3}{4}$ "
Mt. Pleasant st., north side Durfee, in 24 inch gate box,	$\frac{3}{4}$ "
North st., south side east of County,	$\frac{3}{4}$ "
Peckham st., east side Mt. Pleasant, in 16 inch gate box, No. 31,	$\frac{3}{4}$ "
Plainville road, south side, east of Shawmut ave., 3,744 ft.,	1 "
Plainville road, south side, east of Shawmut ave., 5,734 ft.,	1 "
Pleasant st., west side, north of Maxfield,	1 "
Pleasant st., west side, south of Hillman,	1 "
Pleasant st., west side, north of Kempton,	1 "

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Pleasant st., west side, south of Kempton,	1	inch
Purchase ave., in gate box west side Purchase st.,	1	"
Purchase st., north side Coggeshall st., in 24 inch gate box,	$\frac{3}{4}$	"
Purchase st., southwest corner Cedar Grove st.,	$\frac{3}{4}$	"
Purchase st., south side Merrimac, north side gate,	$\frac{3}{4}$	"
Purchase st., south side Merrimac, south side gate,	$\frac{3}{4}$	"
Sixth st., west side, north of Spring,	1	"
Sixth st., west side, south of Walnut,	1	"
Sixth st., west side, south of Bedford,	1	"
State st., west side, north of Austin,	1	"
State st., west side, north of Franklin,	1	"
Union st., south side, east of County,	1	"
William st., south side, east of County,	$\frac{3}{4}$	"
Woodlawn st., south side, 377 feet west of Brock ave.,	$\frac{5}{8}$	"
At High Hill reservoir, east side,	1	"
At High Hill reservoir, south side,	1	"
Total number in use,	49	

TABLE L.

COMPLETE LIST OF WATERING CART HYDRANTS.

All post unless otherwise marked.

Acushnet ave., west side, 56 feet north of Monmouth. Flush.
 Acushnet ave., west side, 16 feet south of Tarkiln Hill road. Flush.
 Acushnet ave., west side, 22 feet north of Howard ave. Flush.
 Acushnet ave., west side, 10 feet north of Belleville road. Flush.
 Allen st., north side, 154 feet east of Page. Flush.
 Allen st., south side, 74 feet west of Oak.
 Arnold st., south side, opp. Arnold place. Flush.
 Austin st., south side, 19 feet west of Purchase.
 Bedford st., south side, 86 feet west of Fourth. Flush.
 Blackmer st., north side, 21 feet east of Water. Flush.
 Blackmer st., south side, 18 feet east of Second.
 Bolton road, west side, 25 feet south of Rivet.
 Bonney st., west side, 18 feet south of Grinnell.
 Bonney st., west side, 49 feet south of Rockland.
 Butler st., south side, 13 feet east of Brock ave. Flush.
 Campbell st., south side, 87 feet west of Purchase. Flush.
 Campbell st., south side, 19 feet west of Cottage. Flush.
 Cedar Grove st., south side, 63 feet east of Acushnet ave. Flush.
 Coffin ave., south side, 17 feet west of Acushnet ave. Flush.
 Coggeshall st., south side, 18 feet west of Acushnet ave.
 Commercial st., south side, 20 feet east of Water. Flush.
 Cottage st., west side, 17 feet north of Sycamore.
 Cottage st., west side, 18 feet north of Mill.
 Cottage st., west side, 19 feet south of Hawthorne.
 Cottage st., west side, 18 feet north of Allen.
 County st., west side, 19 feet north of Sawyer.
 County st., west side, 31 feet north of Clark.
 County st., west side, 34 feet north of Allen.
 Court st., south side, 20 feet west of County.
 Court st., south side, 19 feet east of Cottage.
 Court st., north side, 15 feet east of Ash. Flush.
 Cove road, south side, 13 feet west of West French ave. Flush.
 Dartmouth st., east side, 13 feet north of south line of Oak. Flush.
 Dartmouth st., east side, 20 feet north of Weaver.
 Elm st., south side, 57 feet west of Purchase. Flush.
 First st., west side, 28 feet south of Grinnell. Flush.
 First st., west side, 118 feet south of School. Flush.
 Franklin st., south side, 19 feet west of Purchase.
 Fourth st., west side, 16 feet south of Union.
 Grinnell st., south side, 30 feet east of County.
 Hawthorn st., south side, 17 feet east of Cottage. Flush.

Hawthorn st., head of Tremont. Flush.
 Hazard st., south side, 21 feet west of Purchase. Flush.
 Hazard st., south side, 19 feet west of Pleasant.
 Hillman st., south side, 18 feet west of Pleasant.
 Kempton st., south side, 9 feet west of Rockdale ave. Flush.
 Kempton st., south side, 102 feet east of Newton. Flush.
 Kempton st., south side, 72 feet west of County. Flush.
 Linden st., south side, 30 feet west of Purchase. Flush.
 Linden st., south side, 12 feet east of County.
 Locust st., south side, 25 feet west of County. Flush.
 Madison st., south side, 40 feet west of County.
 Madison st., south side, 19 feet east of Fourth.
 Madison st., south side, 50 feet west of Water.
 Maxfield st., south side, 84 feet west of State. Flush.
 Middle st., south side, 26 feet west of Purchase.
 Mill st., south side, 9 feet west of Purchase. Flush.
 Mill st., south side, 20 feet east of County.
 Mosher st., south side, 121 feet east of Crapo.
 Mt. Pleasant st., west side, 344 feet north of Nash road. Flush.
 Mt. Pleasant st., west side, 39 feet south of Tarkiln Hill road. Flush.
 Mt. Vernon st., south side, 14 feet west of Mt. Pleasant. Flush.
 Oak st., south side, 19 feet west of Dartmouth.
 Parker st., south side, 19 feet west of County.
 Pearl st., south side, 59 feet west of Pleasant.
 Plainville road, south side, 1,144 feet east of Shawmut ave. Flush.
 Poplar road, north side, 32 feet west of Bolton road. Flush.
 Reynolds st., west side, 8 feet north of Linden. Flush.
 Rivet st., south side, 20 feet west of County.
 Sawyer st., north side, 420 feet east of Mitchell. Flush.
 Second st., west side, 19 feet north of Cove.
 Second st., west side, 17 feet south of Potomska.
 Second st., west side, 21 feet south of Grinnell.
 Second st., west side, 21 feet south of Cannon.
 Smith st., south side, 53 feet east of Park. Flush.
 Spring st., north side, 45.2 feet east of Seventh. Flush.
 Summer st., west side, 4 feet north of Hillman. Flush.
 Sycamore st., south side, 80 feet west of County.
 Thompson st., south side, 40 feet east of Crapo. Flush.
 Union st., south side, 23 feet west of Water.
 Union st., south side, 65 feet west of County. Flush.
 Washburn st., south side, 20 feet east of Acushnet ave.
 Weld st., south side, 80 feet east of Mt. Pleasant.
 William st., south side, 27 feet east of Second. Flush.
 Willis st., south side, 8 feet east of Acushnet ave. Flush.

TABLE M.

LOCATION OF HYDRANTS.

Abbott street, northwest corner of Ruth avenue.....	:
Acushnet av, west side, north of Tarkiln Hill road, 3743.2 ft.	
Acushnet av, west side, north of Tarkiln Hill road, 2986.7 ft.	
Acushnet av, west side, north of Tarkiln Hill road, 2392.7 ft.	
Acushnet av, west side, north of Tarkiln Hill road, 1783.3 ft.	
Acushnet av, west side, north of Tarkiln Hill road, 1195.3 ft.	
Acushnet av, west side, north of Tarkiln Hill road, 542 feet.	
Acushnet av, southwest corner Tarkiln Hill road	
Acushnet av, west side, south of Tarkiln Hill road, 500 feet.	
Acushnet av, west side, south of Tarkiln Hill road, 997 feet.	
Acushnet av, west side, north of Howard avenue, 600 feet..	
Acushnet av, west side, north of Howard avenue, 6 feet....	
Acushnet av, west side, south of Howard avenue, 601 feet..	
Acushnet av, west side, north of Shaw, 610 feet.....	
Acushnet av, northwest corner of Shaw	
Acushnet av, west side, north of Belleville road, 603.5 feet..	
Acushnet av, west side, head of Belleville road	
Acushnet av, northwest corner of Nash road	
Acushnet av, northwest corner of Hathaway avenue.....	
Acushnet av, northwest corner of Davis	
Acushnet av, southwest corner of Phillips avenue.....	
Acushnet av, southwest corner of Dean	
Acushnet av, west side, north of Sawyer, 574.5 feet	
Acushnet av, southwest corner of Coggeshall	
Acushnet av, southwest corner of Cedar Grove	
Acushnet av, northwest corner of Logan	
Acushnet av, west side, south of Logan, 335 feet	
Acushnet av, west side, north of Wamsutta, 514 feet.....	
Acushnet av, west side, north of Wamsutta, 372 feet	
Acushnet av, west side, south of Wamsutta, 255 feet. Flush.	
Acushnet av, southeast corner of Pope. Flush	
Acushnet av, west side, south of Campbell, 179 feet. Flush..	
Acushnet av, northwest corner of Maxfield. Flush	
Acushnet av, northwest corner of Kempton. Flush	
Acushnet av, northeast corner of Elm. Flush	
Acushnet av, northwest corner of William	
Acushnet av, northwest corner of School	
Acushnet av, northwest corner of Madison	
Acushnet av, northwest corner of Russell	
Acushnet av, northwest corner of Bedford.....	
Acushnet av, west side, opposite Howland. Flush.....	
Acushnet av, northwest corner of Potomska	
Acushnet av, west side, north of Rivet, 98 feet.....	
Acushnet av, southwest corner of Blackmer. Flush.....	
Adams street, south side, west of County, 538.3 feet.....	
Allen street, south side, west of Rural, 445 feet.....	
Allen street, southwest corner of Clover.....	
Allen street, southwest corner of Page.....	
Allen street, north side, east of Page, 159 feet. Flush	
Allen street, northwest corner of Ward. Flush.....	

Arch street, southwest corner of Union. Flush.....
 Armour street, southwest corner of Union
 Arnold place, west side, south of Rotch court, 38.3 feet....
 Arnold street, south side, west of Orchard, 96 feet.....
 Arnold street, southwest corner of Chancery. Flush.....
 Arnold street, southeast corner of Atlantic.....
 Arnold street, south side, west of James, 15.3 feet.....
 Ash street, northwest corner of Middle.....
 Ash street, southwest corner of Morgan.....
 Ash street, northwest corner of Arnold. Flush.....
 Ash street, northwest corner of Maple. Flush.....
 Ash street, northwest corner of Bedford.....
 Ashland street, southwest corner of Clark.....
 Ashley street, west side, south of Cove (west), 222.2 feet..
 Atlantic street, northwest corner of Maple.....
 Atlantic street, southwest corner of Union.....
 Austin street, southwest corner of Purchase.....
 Austin street, southeast corner of State.....
 Austin street, southwest corner of Ashland
 Austin street, southeast corner of Cedar.....
 Austin street, south side, on west line of Wilson.....
 Austin street, southeast corner of Shawmut avenue.....
 Austin street, south side, west of Shawmut avenue, 108 feet
 Babbitt street, south side, west of Dartmouth, 207.5 feet..
 Babbitt street, southeast corner of Field.....
 Bedford street, southwest corner of Fourth.....
 Bedford street, southwest corner of Fifth.....
 Bedford street, southwest corner of County
 Bedford street, southwest corner of Orchard.....
 Beech street, northwest corner of Kempton
 Beetle street, southwest corner of Howard.....
 Beetle street, southeast corner of Front
 Belleville avenue, southwest corner of Washburn.....
 Belleville avenue, west side, north of Washburn, 118 feet..
 Belleville avenue, northwest corner of Cedar Grove.....
 Belleville avenue, west side, north of Coggeshall, 134 feet..
 Belleville avenue, northwest corner of Beetle.....
 Belleville avenue, southwest corner of Plummer avenue..
 Belleville avenue, west side, north of Howard ave, 143 feet
 Belleville road, southwest corner of Diman.....
 Belleville road, south side, east of Acushnet avenue, 1392 ft.
 Blackmer street, south side, east of Front, 284 feet.....
 Blackmer street, south side, east of Front, 575 feet.....
 Blackmer street, south side, east of Front, 738 feet.....
 Blackmer street, south side, east of Front, 904 feet.....
 Bolton road, west side, north of Rivet, 370 feet.....
 Bolton road, west side, north of Rotch Mill No. 2.....
 Bolton road, west side, south of Rotch Mill No.2.....
 Bolton road, west side, south of Rivet, 1027 feet.....
 Bolton road, northwest corner of Poplar road.....
 Bonney street, southwest corner of Allen
 Bonney street, northwest corner of Grinnell.....
 Bonney street, northwest corner of Rockland.....
 Bonney street, southeast corner of Thompson.....

Borden street, northwest corner of Bedford.....	
Borden street, southwest corner of Bay.....	
Bowditch street, southwest corner of Weld.....	
Bowditch street, west side, south of Cedar Grove, 313 feet..	
Bowditch street, west side, north of Cedar Grove, 244 feet.	
Bowditch street, northwest corner of Coggeshall.....	
Bowditch street, southwest corner of Dean	
Bowditch street, southwest corner of Coffin avenue.....	
Bowditch street, west side, north of Coffin avenue, 358 feet.	
Bowditch street, southwest corner of Davis.....	
Bowditch street, southwest corner Hathaway avenue.....	
Bridge street, north side, east from east line main building, Union Street Railway Co. car barn 426.3 feet. Flush....	
Bridge street, north side, east from east line main building, Union Street Railway Co. car barn 158.5 feet. Flush....	
Bridge street, south side, east from west line main building Union Street Railway Co. car barn 14.2 feet. Flush.....	
Bridge street, south side, on Fish Island.....	
Bridge street, south side, east of Front street, 200 feet....	
Briggs street, west side, north of Rivet street, 303 feet....	
Brock avenue, southwest corner of David.....	
Brock avenue, southwest corner of Woodlawn avenue.....	
Brock avenue, southwest corner of Willard.....	
Brock avenue, southwest corner, first street south Norman.	
Brock avenue, west side, south of Butler, 1063 feet.....	
Brock avenue, west side, south of Butler, 2538.1 feet.....	
Brock avenue, northwest corner Marine avenue.....	
Brownell street, west side, south of Union 387 feet.....	
Bullard street, southwest corner of Belleville avenue.....	
Bullard street, southeast corner of Front.....	
Bullard street, southeast corner of Bowditch.....	
Bullock street, southwest corner of Trinity.....	
Butler street, south side, east from Brock av, 1635 ft. Flush	
Butler street, southwest corner of Fern.....	
Campbell street, southwest corner of Purchase.....	
Campbell street, south side, east of County, 163 feet. Flush	
Campbell street, south side, west of County, 216.5 feet....	
Campbell street, southwest corner of Cottage.....	
Campbell street, south side, east of Shawmut av. 205 ft. Flush	
Cannon street, south side, east of Second, 164 feet.....	
Cedar street, northwest corner of Elm.....	
Cedar street, southwest corner of Kempton. Flush.....	
Cedar street, west side, north of Mill, 75 feet. Flush....	
Cedar street, southwest corner of Hillman. Flush.....	
Cedar street, northwest corner of Sycamore. Flush.....	
Cedar street, southwest corner of Campbell. Flush.....	
Cedar street, southwest corner of Parker. Flush.....	
Cedar Grove street, southeast corner of Front.....	
Cedar Grove street, southeast corner of Howard.....	
Cedar Grove street, south side, west of Bowditch, 383 feet	
Cedar Grove street, northwest corner of Purchase.....	
Cedar Grove street, southwest corner of County.....	
Centre street, south side, east of Water, 85 feet. Flush...	

Chancery street, southwest corner of Maple.....	
Chancery street, west side, north of Arnold, 406 feet.....	
Chancery street, southwest corner of Elm	
Chancery street, west side, south of Parker, 176 feet.....	
Chancery street, west side, north of Parker, 650 feet	
Chepachet street, northwest corner of Court.....	
Chepachet street, west side, south of Kempton, 531 feet....	
Cherry street, southeast corner of Seventh. Flush	
Chestnut street, southwest corner of North. Flush.....	
Chestnut street, west side, north of Campbell, 96 feet....	
Chestnut street, southwest corner of Merrimac.....	
Church street, west side, north of Belleville road, 300 feet..	
Church street, southwest corner of Nash road.....	
Church street, southwest corner of Hathaway avenue.....	
Church street, west side, north of Coffin avenue, 591.4 feet.	
Clark street, southwest corner of State.....	
Clark street, south side, west of County, 218 feet.....	
Clay street, northwest corner of Columbia.....	
Cleveland street, northwest corner of Ruth.....	
Cleveland street, west side, south of Ruth, 478 feet.....	
Clinton street, south side, west of County, 224.6 feet.....	
Clinton street, south side, west of Ash, 242.5 feet.....	
Coffin avenue, southwest corner of Church.....	
Coffin avenue, south side, opposite Oneko Lane.....	
Coffin avenue, southeast corner of Front.....	
Coffin avenue, southwest corner of Belleville avenue.....	
Coffin avenue, northwest corner of Riverside avenue.....	
Coffin avenue, south side, east of Riverside avenue, 227 feet	
Coffin avenue, north side, east of Riverside avenue, 414 feet	
Coffin street, southwest corner of Water.....	
Coffin street, north side, east of Water, 262 feet	
Coggeshall street, south side, east of Mitchell, 654 feet....	
Coggeshall street, south side, east of Mitchell, 498 feet..	
Coggeshall street, south side, east of Mitchell, 334 feet....	
Coggeshall street, north side, east of Mitchell, 148 feet....	
Coggeshall street, southeast corner of Belleville avenue....	
Coggeshall street, southwest corner of Front.....	
Coggeshall street, southwest corner of Purchase.....	
Coggeshall street, southeast corner of County.....	
Coggeshall street, south side, west of County 384 feet....	
Coggeshall street, south side, west of Jean, 203 feet.....	
Collette street, south side, east of Church, 580 feet.....	
Collette street, south side, east of Bowditch, 238 feet.....	
Collette street, south side, east of Acushnet avenue, 275 ft.	
Collins street, southeast corner of Glover.....	
Columbia street, southwest corner of Allen.....	
Commercial street, north side, east of Front, 82 feet.....	
Cottage road, south side, west of Bolton road, 435 feet.....	
Cottage street, southwest corner of Bay.....	
Cottage street, northwest corner of Allen.....	
Cottage street, northwest corner of Bedford. Flush.....	
Cottage street, southwest corner of Arnold.....	
Cottage street, southwest corner of Union.....	
Cottage street, southwest corner of Court.....	

Cottage street, southwest corner of Kempton.....	
Cottage street, southwest corner of Mill.....	
Cottage street, southwest corner of North.....	
Cottage street, southwest corner of Hillman.....	
Cottage street, northwest corner of Sycamore.....	
Cottage street, northwest corner of Parker.....	
Cottage street, west side, north of Locust, 237 feet.....	
Cottage street, southwest corner of Durfee.....	
County street, southwest corner of Tallman.....	
County street, southwest corner of Sawyer.....	
County street, southeast corner of Penniman.....	
County street, west side, south of Clark, 234.5 feet.....	
County street, west side, south of Weld, 115 feet.....	
County street, southwest corner of Austin.....	
County street, west side, head of School.....	
County street, southwest corner of Madison.....	
County street, southwest corner of Hawthorn.....	
County street, northwest corner of Allen.....	
County street, southwest corner of Grinnell.....	
County street, northwest corner of South.....	
County street, northwest corner of Cove road.....	
Court street, southwest corner of Orchard.....	
Court street, southeast corner of Cedar.....	
Court street, northeast corner of Ash.....	
Court street, southwest corner of Emerson.....	
Court street, south side, west from Park, 304 feet. Flush..	
Court street, south side, head of Jenney.....	
Court street, south side, east of Reed, 300 feet.....	
Cove road, southwest corner of West French avenue.....	
Cove road, southwest corner of Shore street.....	
Cove road, north side, west of County, 365 feet.....	
Cove street, southwest corner of Cleveland avenue.....	
Cove street, southwest corner of Harrison avenue.....	
Cove street, southwest corner of Salisbury.....	
Cove street, southwest corner of Viall.....	
Cove street, southwest corner of McGurk.....	
Cove street, southwest corner of West French avenue....	
Cove street, southeast corner of Stapleton.....	
Cove street, southeast corner of County.....	
Crapo street, west side, south of Washington, 343 ft. Flush	
Crapo street, west side, south of Rockland, 225 feet.....	
Crapo street, west side, south of Thompson, 160 feet.....	
Dartmouth street, east side, southwest of Orchard, 110 ft.	
Dartmouth street, east side, south of Hickory, 125 feet....	
Dartmouth street, east side, south of Rockland, 260 feet..	
Dartmouth street, east side, south of Thompson, 99 feet....	
Dartmouth street, southeast corner of Larch.....	
Dartmouth street, northeast corner of Dunbar.....	
David street, south side, west of Brock avenue, 289 feet..	
Davis street, southwest corner of Riverside avenue.....	
Davis street, south side, east of Front, 321.8 feet.....	
Davis street, southwest corner of Front.....	
Davis street, south side, east of Church, 555 feet.....	
Dean street, southwest corner of Belleville avenue.....	

Dean street, southeast corner of Front.....
 Delano street, southwest corner of Water
 Delano street, southeast corner of Acushnet avenue.....
 De Wolf street, west side, north of Durfee, 229 feet.....
 Diman street, southwest corner of Whitman.....
 Diman street, west side, south of Whitman, 149 feet
 Division street, southeast corner of Second.....
 Division street, southeast corner County.....
 Division street, south side, west of County, 527 feet.....
 Division street, south side, east of Crapo, 6 feet.....
 Dudley street, south side, east of West French av., 122 ft.
 Dudley street, south side, west of Brock avenue, 607 feet..
 Dunbar street, southwest corner of Hemlock.....
 Durfee street, southwest corner of Cedar.....
 Durfee street, southwest corner of Bullock.....
 Durfee street, southwest corner of Shawmut avenue.....
 Durfee street, south side, west of Shawmut avenue, 186.6 ft.
 Earle street, southwest corner of Riverside avenue.....
 Earle street, south side, west of Belleville avenue, 135 feet.
 Earle street, south side, east of Acushnet avenue, 274.2 feet
 East French avenue, west side, south of Cove, 807.2 feet..
 East French avenue, northwest corner of Abbott.....
 Edward street, south side, east of Field, 90 feet.....
 Edward street, south side, west of Dartmouth street, 157 ft.
 Elm street, southwest corner of Purchase.....
 Elm street, southwest corner of Pleasant.....
 Elm street, southwest corner of Eighth.....
 Elm street, southwest corner of Summer. Flush.....
 Elm street, southwest corner of Florence.....
 Elm street, southeast corner of Palmer.....
 Emerson street, west side, north of Arnold, 173.8 feet....
 Eugenia street, south side, east of Diman, 464 feet.....
 Fair street, southwest corner of Briggs.....
 Field street, northwest corner of Stowell.....
 Fifth street, southwest corner of Union.....
 Fifth street, southwest corner of School.....
 Fifth street, west side, south of Madison, 245 feet. Flush..
 Fifth street, northwest corner of Wing.....
 Fifth street, northwest corner of Grinnell.....
 First street, southwest corner of Spring. Flush.....
 First street, west side, south of School, 109 feet. Flush....
 First street, west side, south of Howland, 185 feet. Flush..
 First street, northwest corner of Potomska.....
 First street, west side, north of Jennings court, 29 feet....
 First street, west side, south of Cove, 141 feet.....
 Florence street, southwest corner of Hillman.....
 Florence street, northwest corner of Mill.....
 Florence street, West side, south of Kempton, 199.6 feet..
 Florence street, southwest corner of Morgan.....
 Forest street, south side, west of County, 90 feet. Flush..
 Foster street, southwest corner of High.....
 Fourth street, southwest corner of Union. Flush.....
 Fourth street, west side, north of School, 106 feet. Flush..
 Fourth street, west side, south of Madison, 210 feet.....

Fourth street, east side, opposite Washington.....
 Fourth street, northwest corner of Rockland. Flush.....
 Fourth street, west side, south of Potomska, 61 feet.....
 Franklin street, southwest corner of Purchase.....
 Franklin street, southwest corner of Pleasant. Flush.....
 Franklin street, southwest corner of State.....
 Front street, southwest corner of Whitman.....
 Front street, west side, south of Whitman, 393 feet.....
 Front street, southwest corner of Holly.....
 Front street, west side, south of Washburn, 319 feet. Flush
 Front street, southwest corner of Logan.....
 Front street, west side, south of Logan, 190.2 feet.....
 Front street, west side, south of Logan, 383 feet.....
 Front street, west side, north of Wamsutta, 235.2 feet....
 Front street, southeast corner of Wamsutta.....
 Front street, east side, foot of Middle. Flush.....
 Front street, southwest corner of Middle.....
 Front street, southwest corner of Hazard's lane. Flush....
 Front street, northwest corner of Rodman.....
 Front street, southwest corner of Centre. Flush.....
 Front street, west side, south of Commercial, 86 feet. Flush
 Front street, northwest corner of lane head of Merrill's
 Wharf. Flush.
 Front street, west side, south of Howland, 268 feet.....
 Front street, southwest corner of Grinnell.....
 Front street, west side, south of South, 330 feet.....
 Front street, southwest corner Rivet street.....
 Front street, west side, north of Delano, 191 feet.....
 Front street, west side, south of Delano, 200 feet.....
 Fruit street, south side, east of Hemlock, 126.5 feet.....
 Fruit street, south side, west of Mulberry, 25.5 feet.....
 Gifford street, south side, east of Water, 274 feet.....
 Gifford street, south side, west of Harbor, 167.8 feet.....
 Gifford street, southeast corner of Harbor.....
 Gifford street, south side, east of Harbor, 299.3 feet.....
 Grand street, south side, west of Shawmut avenue, 750 feet
 Granfield street, west side, north of Coggeshall, 263 feet....
 Grape street, south side, west of Lewis, 131 feet.....
 Grape street, southwest corner of Small.....
 Grape street, southwest corner of Devoll.....
 Grape street, south side, west of Rural, 137 feet.....
 Griffin street, southwest corner of Second. Flush.....
 Grinnell street, south side, west of Acushnet avenue, 76
 feet. Flush.....
 Grinnell street, south side, east of Crapo, 103 feet. Flush..
 Grinnell street, southwest corner of Orchard.....
 Grove street, southwest corner of Anthony.....
 Grove street, southwest corner of Cottage.....
 Harbor street, east side, north of Cove, 195 feet.....
 Harbor street, east side, north of Cove, 372 feet.....
 Harbor street, east side, north of Cove, 540 feet.....
 Harbor street, east side, south of Gifford, 195.8 feet.....
 Harmony street, southwest corner of Social.....
 Harrison street, southwest corner of Hickory.....

Hathaway street, south side, east of Front street, 260 feet..
 Hathaway street, southwest corner of Front.....
 Hathaway street, south side, east of Church street, 331
 feet
 Hawthorn street, southwest corner of Cottage.....
 Hawthorn street, southeast corner of Page. Flush.....
 Hawthorn street, south side, east of Tremont, 147 feet....
 Hawthorn street, southwest corner of Brigham.....
 Hawthorn street, south side, west of Brigham, 301 feet....
 Hazard street, south side, west of State, 140 feet. Flush..
 Hazard street, southwest corner of Pleasant. Flush.....
 Hazard street, southwest corner of Purchase.....
 Hemlock street, west side, south of Rockland, 231 feet....
 Hicks street, south side, east of Acushnet avenue, 276 feet
 High street, south side, east of Acushnet avenue, 43 feet.
 Flush
 High street, southwest corner of Purchase.....
 High street south side, east of County, 177 feet. Flush....
 Highland street, west side, north of Durfee, 418.4 feet....
 Hillman street, southwest corner of Second. Flush.....
 Hillman street, southwest corner of Purchase.....
 Hillman street, southwest corner of Pleasant.....
 Hillman street, head of State.....
 Hillman street, head of Thomas
 Hillman street, southwest corner of Chancery.....
 Hillman street, south side, east of Newton, 92 feet.....
 Hillman street, south side, east of Florence, 609.5 feet....
 Hillman street, southwest corner of Lindsey.....
 Hillman street, southeast corner of Rockdale avenue....
 Holly street, southwest corner of Belleville avenue.....
 Holly street, southwest corner of Bowditch.....
 Holly street, southeast corner of Brook.....
 Hollyhock street, south side, east of Field, 410 feet.....
 Homer street, southwest corner of Locust.....
 Howard avenue, southwest corner of Belleville avenue....
 Howland street, northeast corner of Second. Flush.....
 Howland street, south side, west of Prospect, 19.2 feet.....
 Hunter street, southwest corner of Hillman.....
 Independent street, south side, west of County, 480 feet..
 Independent street, southeast corner of Crapo.....
 Irving court, north end of Court. Flush.....
 James street, west side, north of Arnold, 107 feet.....
 James street, southwest corner of Court.....

Jenney Lind street, southwest corner of Hillman.....	
Jenney Lind street, west side, north of Kempton street, 1167 feet.....	
Jouvette street, south side, west of County, 372 feet.....	
Katherine street, southeast corner of Crapo.....	
Katherine street, south side, west of County, 442 feet.....	
Keene street, south side, west of Park, 434 feet.....	
Kempton street, southwest corner of Purchase.....	
Kempton street, southwest corner of Pleasant.....	
Kempton street, south side, opposite Hill.....	
Kempton street, southwest corner of County.....	
Kempton street, southwest corner of Summer.....	
Kempton street, southwest corner of Emerson. Flush....	
Kempton street, southwest corner of Park.....	
Kempton street, southwest corner of Liberty.....	
Kempton street, southeast corner of Jenney. Flush.....	
Kempton street, south side, west of Hunter, 50 feet.....	
Kempton street, southwest corner of Rockdale avenue....	
Kempton street, southeast corner of Chepachet.....	
Kempton street, south side, opposite Jenney Lind street....	
Kenyon street, south side, west of Front street, 378 feet....	
Kilburn street, north side, east of Front, 244 feet.....	
Kilburn street, north side, east of Front, 581 feet.....	
Larch street, south side, east of Mulberry, 120 feet.....	
Larch street, south side, east of Hemlock, 129 feet.....	
Leonard street, south side, east of Water, 216 feet. Flush..	
Liberty street, west side, south of Kempton, 339 feet. Flush	
Liberty street, west side, north of Court, 164 feet.....	
Lincoln street, west side, south of Union, 171 feet. Flush	
Linden street, southwest corner of Purchase.....	
Linden street, south side, west of State, 13.5 feet.....	
Linden street, south side, west of County, 169 feet.....	
Linden street, south side, west of Reynolds, 67.5 feet..	
Linden street, south side, east of Ashland, 6.5 feet.....	
Lindsey street, west side, south of Kempton, 173 feet....	
Lindsey street, northwest corner of Morgan.....	
Locust street, southwest corner of County.....	
Locust street, southwest corner of Chestnut.....	
Locust street, southwest corner of Richmond.....	
Logan street, south side, east of Acushnet av., 400 ft. Flush	
Logan street, south side, opposite Bowditch.....	
Logan street, southeast corner of Purchase.....	
Lombard street, west side, north of Thompson. 107 feet..	

Lucas street, south side, west of Brock avenue, 275 feet..	
Madison street, southwest corner of First. Flush.....	
Madison street, southwest corner of Water.....	
Madison street, southwest corner of Sixth.....	
Maitland street, southwest corner of Cedar.....	
Manomet street, south side, east of Riverside av, 208 feet..	
Maple street, southwest corner of Cottage.....	
Maxfield street, southwest corner of Second.....	
Maxfield street, southwest corner of Purchase.....	
Maxfield street, southwest corner of Pleasant.....	
Maxfield street, southwest corner of Foster.....	
Maxfield street, southwest corner of County.....	
Maxfield street, southwest corner of Chestnut.....	
Maxfield street, southeast corner of Spruce. Flush.....	
Maxfield street, southeast corner of Ash.....	
Maxfield street, south side, east of Chancery, 44.4 feet....	
Maxfield street, south side, east of Beech street, 127 feet..	
McGurk street, west side, north of Brock avenue, 348 feet.	
Mechanics lane, northwest corner of Purchase.....	
Mechanics lane, north side, east of Eighth, 206 feet. Flush.	
Merrimac street, southwest corner of Purchase.....	
Merrimac street, southwest corner of State.....	
Merrimac street, southwest corner of Summer.....	
Middle street, southwest corner of Water.....	
Middle street, southwest corner of Second.....	
Middle street, southwest corner of Acushnet avenue.....	
Middle street, southwest corner of Purchase.....	
Middle street, southwest corner of Pleasant.....	
Middle street, southwest corner of Sixth.....	
Middle street, southwest corner of County.....	
Middle street, south side, east of Cedar, 371 feet. Flush...	
Middle street, southeast corner of Chancery. Flush.....	
Mill street, southwest corner of Purchase.....	
Mill street, south side, west of Hill, 191 feet.....	
Mill street, south side, west of Ash, 45 feet. Flush.....	
Mill street, south side, east of Park, 104 feet.....	
Mill street, southeast corner of Newton.....	
Mill street, southeast corner of Summit.....	
Milton street, south side, west of Rockdale avenue, 85 feet	
Mitchell street, northwest corner of Coggeshall.....	
Mitchell street, west side, north of Coggeshall, 178.8 ft....	
Mitchell street, west side, south of Sawyer, 345 feet.....	

Mitchell street, southwest corner of Sawyer.....	
Moorland Terrace, southwest corner of Ash.....	
Morgan street, southwest corner of County.....	
Morgan street, southwest corner of Cottage. Flush.....	
Morton's court, west side, north of Cove, 385.3 feet.....	
Mosher street, south side, west of County, 517 feet.....	
Mosher street, southeast corner of Crapo.....	
Mt. Pleasant street, west side, south of Tarkiln hill rd., 35 feet.....	
Mt. Pleasant street, west side, north of Nash road, 1,671 feet	
Mt. Pleasant street, west side, north of Nash road, 348 feet	
Mt. Pleasant street, west side, north of railroad fence, 285 feet	
Mt. Pleasant street, west side, south of Hathaway road, 40 feet	
Mt. Pleasant street, west side, north of Peckham-West cemetery, 277 feet.....	
Mt. Pleasant street, west side, south of Peckham-West cemetery, 74 feet.....	
Mt. Pleasant street, west side, north of reservoir, 837 feet..	
Mt. Pleasant street, west side, north of reservoir, 450 feet..	
Mt. Pleasant street, west side, north of reservoir, 40 feet...	
Mt. Pleasant street, west side, south of Peckham, 217 feet	
Mt. Vernon street, southwest corner of Mt. Pleasant.....	
Mt. Vernon street, southeast corner of Vine. Flush.....	
Mt. Vernon street, south side, east of Shawmut avenue, 241 feet	
Myrtle street, west side, south of Weld, 22 feet.....	
Myrtle street, southwest corner of Clark	
Myrtle street, west side, north of Clark street, 274 feet....	
Nelson street, south side, west of County, 541.6 feet.....	
Nelson street, south side, west of County, 814 feet.....	
Newton street, northwest corner of Elm.....	
Norman street, south side, east of Brock avenue, 341 feet...	
North street, southeast corner of Second.....	
North street, southwest corner of Acushnet avenue.....	
North street, southwest Corner of Purchase.....	
North street, northwest corner of Pleasant.....	
North street, southwest corner of Foster.....	
North street, southwest corner of Hill.....	

North street, southwest corner of County.....	
North street, southwest corner of Emerson.....	
North street, southwest corner of Park.....	
North street, south side, west of Newton, 258 feet.....	
North street, southwest corner of Hunter.....	
North street, southwest corner of Beech.....	
Nye street, southwest corner of Belleville avenue.....	
Nye street, southwest corner of Front.....	
Nye street, south side, west of Acushnet avenue, 311.7 feet	
Oak street, southwest corner of Harrison.....	
Oak street, northwest corner of Grape.....	
Oak street, southwest corner of Allen.....	
Ocean street, west side, south of Arnold, 184.5 feet.....	
Orchard street, southwest corner of Madison.....	
Orchard street, southwest corner of Grove.....	
Orchard street, west side, north of Rockland, 98 feet.....	
Palmer street, northwest corner of Union.....	
Palmer street, west side, south of Elm street, 195 feet.....	
Park place, south side, west of Sixth, 306 feet. Flush.....	
Park street, southwest corner of Maxfield.....	
Park street, southwest corner of Hillman.....	
Park street, west side, south of Kempton, 339 feet.....	
Park street, northwest corner of Court.....	
Park street, west side, north of Arnold, 263 feet.....	
Parker street, south side, at Oak Grove Cemetery.....	
Parker street, southwest corner of Summer. Flush.....	
Parker street, southwest corner of County.....	
Pearl street, southwest corner of Pleasant.....	
Pearl street, southwest corner of Purchase.....	
Perry street, southwest corner of Kearsarge.....	
Phillips avenue, south side, east of Onoko lane.....	
Phillips avenue, south side, east of Acushnet avenue, 173 feet	
Phillips avenue, southwest corner of Riverside avenue.....	
Pierce street, west side, north of Court, 253.7 feet.....	
Pine street, northwest corner of Cross. Flush.....	
Plainville road, south side, east of Shawmut avenue, 705 feet	
Plainville road, south side, east of Shawmut avenue, 1,139 feet	
Plainville road, south side, east of Shawmut avenue, 2,317 feet	

Plainville road, south side, east of Shawmut avenue, 3,113 feet	
Plainville road, south side, east of Shawmut avenue, 3,920 feet	
Pleasant street, northwest corner of Market.....	
Pleasant street, west side, north of William, 21.5 feet....	
Pleasant street, east side, foot of Sycamore.....	
Pleasant street, northwest corner of Pope. Flush.....	
Pleasant street, northwest corner of Austin. Flush.....	
Pleasant street, southwest corner of Linden. Flush.....	
Pleasant street, southwest corner of Weld.....	
Plummer avenue, southwest corner of Riverside avenue....	
Plummer avenue, south side, east of Belleville avenue, 177 feet	
Pope street, southwest corner of Purchase.....	
Pope street, south side, opposite North Oak.....	
Pope street, southwest corner of Summer.....	
Poplar road, south side, west of Bolton road, 431 feet.....	
Potomska street, a group of three post hydrants located about 300 feet east of Prospect and 91 feet north of south line of Potomska street.....	
Potter street, south side, east of Shawmut avenue, 403 feet	
Prospect street, west side, north of Grinnell, 275.2 feet....	
Prospect street, northwest of Grinnell.....	
Prospect street, west side, north of Potomska, 324.5 feet....	
Prospect street, northwest corner of Potomska.....	
Purchase street, northwest corner of Dean.....	
Purchase street, west side, opposite Onoko mill.....	
Purchase street, east side, opposite Clark.....	
Purchase street, west side, south of Campbell, 348 feet...	
Purchase street, northwest corner of Union. Flush.....	
Purchase avenue, northeast corner of Purchase.....	
Reed street, west side, north of Court, 145 feet.....	
Reed street, southwest corner of Elm.....	
Reed street, southwest corner of Middle.....	
Reynolds street, southwest corner of Weld.....	
Reynolds street, west side, south of Clark, 17.9 feet.....	
Reynolds street, southwest corner of Cedar Grove street...	
Richmond street, southwest corner of Maitland.....	
Riverside avenue, west side, opposite Manomet street.....	
Rivet street, southwest corner of Second. Flush.....	
Rivet street, southwest corner of County.....	

Rivet street, southwest corner of Bonney.....	
Rivet street, south east corner of Bolton road.....	
Rivet street, southwest corner of Hemlock.....	
Robeson street, southwest corner of County.....	
Robeson street, southwest corner of Ashland.....	
Robeson street, southeast corner of Cottage.....	
Robeson street, southeast corner of Cedar.....	
Robeson street, south side, west of Cedar, 424 feet.....	
Rockdale avenue, southwest corner of Bolton road.....	
Rockdale avenue, south side, west of Bolton road, 327 feet..	
Rockdale avenue, southwest corner of Grant street.....	
Rockdale avenue, west side, north of Lexington street	
128 feet	
Rockland street, southwest corner of County.....	
Rockland street, southeast corner of Hall.....	
Rockland street, south side, west of Orchard, 13 feet.....	
Rockland street, south side, east of Hemlock, 179.3 feet....	
Rockland street, southwest corner of Lombard.....	
Rotch street, west side, south of Union, 213.7 feet.....	
Rounds street, northwest corner of Elm.....	
Rural street, southwest corner of Allen.....	
Russell street, south side, east of Fifth, 92 feet. Flush....	
Russell street, southwest corner of Sixth.....	
Salisbury street, northwest corner of Ruth.....	
Sawyer street, south side, west of County, 644 feet.....	
Sawyer street, southwest corner of Purchase.....	
Sawyer street, south side, opposite Brook.....	
Sawyer street, southwest corner of Bowditch.....	
Sawyer street, southwest corner of Acushnet avenue.....	
Sawyer street, southeast corner of Belleville avenue.....	
Sawyer street, north side, east of Mitchell, 169 feet.....	
Sawyer street, south side, east of Mitchell, 418.8.....	
Sawyer street, north side, east of Belleville ave., 750 feet..	
Sawyer street, south side, east of Mitchell street, 690 feet..	
School street, southwest corner of Sixth.....	
Scott street, south side, west of County, 494 feet.....	
Sears court, southwest corner of Purchase street. Flush..	
Second street, northwest corner of Mill. Flush.....	
Second street, west side, south of Elm, 52 feet.....	
Second street, west side, south of Spring, 74 feet. Flush..	
Second street, northwest corner of Coffin. Flush.....	
Second street, west side, at head of Morgan's lane.....	
Second street, west side, north of Grinnell, 61 feet. Flush..	

Second street, west side, north of Potomska, 232 feet.....	
Second street, west side, south of Potomska, 122 feet.....	
Second street, west side, south of Blackmer, 188 feet.....	
Seventh street, southwest corner of Union.....	
Seventh street, west side, north of Madison, 50 feet.....	
Flush	
Shawmut avenue, southwest corner of Willis.....	
Shawmut avenue, southwest corner of Parker.....	
Shawmut avenue, west side, head of Locust.....	
Shawmut avenue, southwest corner of Robeson.....	
Shawmut avenue, west side, north of Austin, 195 feet.....	
Shawmut avenue, west side, north of Durfee, 497 feet.....	
Shawmut avenue, southwest corner of Grand.....	
Shawmut avenue, west side, north of Grand, 363 feet.....	
Shawmut avenue, west side, opposite Topham street.....	
Shawmut avenue, northwest corner of Plainville road.....	
Sherman street, south side, west of County, 314 feet.....	
Flush	
Shore street, west side, south of Cove road, 264 feet.....	
Sisson street, northwest corner of Union.....	
Sisson street, west side, north of Arnold, 142 feet.....	
Sixth street, west side, north of Grinnell, 194 feet.....	
Smith street, southwest corner of County.....	
Smith street, southwest corner of Chestnut.....	
Smith street, southeast corner of Spruce.....	
Smith street, southeast corner of Shawmut avenue.....	
Smith street, south side, east of Park, 5 feet.....	
South street, south side, east of Crapo, 357 feet.....	
South street, southwest corner of Acushnet avenue.....	
South street, southwest corner of Second.....	
South street, southwest corner of First.....	
South street, southwest corner of Water.....	
South street, southwest corner of Prospect.....	
Spring street, southwest corner of Water.....	
Spring street, southeast corner of Acushnet avenue.....	
Spring street, southeast corner of Fifth. Flush.....	
Spring street, southwest corner of Seventh.....	
State street, southwest corner of Sycamore.....	
State street, southwest corner of Pearl. Flush.....	
Stone street, west side, south of Allen, 208.6 feet.....	
Stowell street, south side, east of Field, 153 feet.....	
Summer street, northwest corner of North. Flush.....	
Summer street, northwest corner of Hillman. Flush.....	

Summer street, southwest corner of Willis. Flush.....
 Summer street, southwest corner of Locust.....
 Sycamore street, southwest corner of Thomas. Flush.....
 Sycamore street, southwest corner of Summer. Flush.....
 Sycamore street, southwest corner of Chancery.....
 Taber street, southwest corner of Page.....
 Taber street, south side, west of Page, 428.7 feet.....
 Tallman street, southwest corner of Belleville avenue....
 Tallman street, southwest corner of Front.....
 Thatcher street, northwest corner of Grit
 Thompson street, southeast corner of Bourne.....
 Thompson street, southwest corner of Hemlock.....
 Thompson street, south side, east of Hemlock, 99.6 feet....
 Thompson street, south side, west of Bonney, 302 feet....
 Thompson street, south side, east of Hall, 20 feet.....
 Thompson street, southwest corner of County.....
 Tinkham street, south side, east of Acushnet avenue, 239.2
 feet
 Tinkham street, south side, west of Bowditch, 314 feet....
 Topham street, south side, east of Shawmut avenue, 647
 feet
 Tremont street, southwest corner of Union.....
 Tremont street, northwest corner of Maple.....
 Trinity street, south side, west of Cedar, 264 feet.....
 Trinity street, south side, east of Shawmut avenue, 203
 feet
 Union street, southwest corner of Front.....
 Union street, southwest corner of Water.....
 Union street, southwest corner of First.....
 Union street, southwest corner of Second.....
 Union street, southwest corner of Acushnet avenue.....
 Union street, southwest corner of Sixth.....
 Union street, southwest corner of County.....
 Union street, southeast corner of Emerson.....
 Union street, southwest corner of Ocean.....
 Union street, southeast corner of Rotch.....
 Valentine street, south side, west of Brock avenue, 621
 feet
 Valentine street, south side, east of West French avenue.
 142 feet
 Viall street, northwest corner of Ruth street.....
 Vine street, west side, north of Durfee, 215 feet.....
 Walden street, southwest corner of Maxfield. Flush.....

Wall street, south side, east of Acushnet avenue, 165 feet.	
Flush	
Wall street, southeast corner of Acushnet avenue.....	
Walnut street, northwest corner of Front.....	
Walnut street, southwest corner of Water.....	
Walnut street, southwest corner of Second. Flush.....	
Walnut street, southwest corner of Fourth.....	
Walnut street, southwest corner of Seventh.....	
Wamsutta street, south side, west of Front, 200 feet.....	
Wamsutta street, south side, west of Front, 372 feet.....	
Wamsutta street, south side, east of Acushnet avenue, 286 feet	
Ward street, southwest corner of Bay.....	
Ward street, west side, north of Allen, 195 feet.....	
Warren street, southwest corner of Brock avenue.....	
Washburn street, southeast corner of Acushnet avenue....	
Washburn street, south side, west of North Front, 228 feet. .	
Washington street, southwest corner of County.....	
Washington street, southwest corner of Crapo.....	
Washington street, south side, west of Orchard, 102 feet...	
Washington street, southeast corner of Dartmouth. Flush..	
Water street, southwest corner of Hillman. Flush.....	
Water street, southwest corner of North.....	
Water street, northwest corner of High.....	
Water street, southwest corner of Elm. Flush.....	
Water street, west side, north of Center, 46 feet. Flush....	
Water street, southwest corner of School.....	
Water street, west side, head of Pine.....	
Water street, west side, head of Leonard.....	
Water street, southwest corner of Howland.....	
Water street, northwest corner of Grinnell.....	
Water street, northwest corner of Potomska.....	
Water street, west side, south of Potomska, 266 feet.....	
Water street, northwest corner of Riven.....	
Water street, southwest corner of Blackmer.....	
Water street, northwest corner of Delano.....	
Water street, west side, head of Gifford.....	
Weld street, southeast corner of Mt. Pleasant.....	
Weld street, southwest corner of State.....	
Whitman street, south side, east of Diman, 166 feet.....	
Willard street, south side, west of Brock avenue, 560 feet. .	
Willard street, south side, east of West French avenue, 101 feet.....	

William street, southwest corner of Bethel.....	
William street, southwest corner of Second.....	
William street, southwest corner of Purchase.....	
William street, southwest corner of Sixth.....	
William street, southwest corner of Eighth.....	
Willis street, southwest corner of Acushnet avenue.....	
Willis street, southwest corner of Purchase.....	
Willis street, southeast corner of Pleasant.....	
Willis street, southwest corner of State.....	
Willis street, southwest corner of County.....	
Willis street, southwest corner of Cottage.....	
Willis street, south side, west of Cedar, 200 feet.....	
Willow street, southwest corner of Cottage.....	
Willow street, south side, west of Cedar, 224 feet.....	
Willow street, southeast corner of Shawmut avenue.....	
Wing street, southwest corner of Fourth.....	
Wing street, southwest corner of Sixth.....	
Windsor street, southwest corner of County.....	
Windsor street, south side, west of County, 455.5 feet.....	
Windsor street, southeast corner of Crapo.....	
Wood street, south side, west of Acushnet avenue, 366 feet.	
Woodlawn street, south side, west of Brock avenue, 636	
feet	
Woodlawn street, south side, east of West French avenue,	
134 feet.....	

Number of flush hydrants..... 103

Number of post hydrants..... 685

Total number of hydrants..... 788

SUMMARY OF STATISTICS.

Report of 1903.

IN ACCORDANCE WITH SUGGESTIONS ADOPTED BY THE
NEW ENGLAND WATER WORKS ASSOCIATION.

NEW BEDFORD WATER WORKS,

NEW BEDFORD,

BRISTOL COUNTY, MASS.

Population by census of 1900,

62,442.

Date of construction,

1866 to 1869, inclusive.

Further supply, 1895 to 1901, inclusive.

By whom owned,

The property of the City of New Bedford.

Source of supply,

Water was first introduced on Nov. 26th, 1869. From that date until July 10th, 1899, the supply was taken from a storing reservoir artificially formed by constructing a dam across the valley of the Acushnet river, seven miles north of the center of the City. This supply was augmented by a connection made in 1886 with Little Quittacas Pond.

Since July 10th, 1899, the whole supply has been taken from Great and Little Quittacas Ponds, eleven miles north of the center of the City.

Mode of supply,

Previous to July 10th, 1899, the water flowed by gravity from the Acushnet Storing Reservoir (grade 40' \pm high water New Bedford Harbor) through a brick conduit 3 feet wide, 4 feet high, $5\frac{6}{10}$ miles long to a receiving reservoir (capacity 3 million gallons; grade 30') located opposite the Purchase street pumping station. Thence it was pumped into the Mt. Pleasant distributing reservoir (capacity, 15 million gallons; grade 154') located 1879 feet distant, from whence it flowed by gravity into the city's distributing system.

Since July 10th, 1899, the entire supply has been pumped from Little Quittacas pond (grade 52' through a 48 inch steel force main $8\frac{1}{4}$ miles long to a distributing reservoir (capacity 67 million gallons; grade 216') located upon High Hill, in the town of Dartmouth. From this reservoir it flows into the City's distributing system by gravitation through a 36 inch cast iron pipe $3\frac{2}{3}$ miles long.

The first named system is not now in use; but is held in reserve to meet any emergency which might occur.

PUMPING.

1. Builders of pumping machinery,

Purchase street station,

- a.* McAlpine engine, built by Quintard Iron Works.
- b.* Worthington duplex engine, built by Henry R. Worthington.
- c.* Worthington high duty engine, built by Henry R. Worthington.

Little Quittacas station,

- a.* Leavitt engine, built by the Dickson Manufacturing Co.
- b.* Leavitt engine, built by the Dickson Manufacturing Co.

2. Description of fuel used,

- a.* Bituminous.
- b.* Pocahontas.
- c.* Price per gross ton delivered, Braley's station, \$5.62.
- d.* Percentage of ash, 7.
- e.* Wood, price per cord, \$4 00.

Little
Quittacas
Station.

Engines A and B.

- | | | |
|----|---|---------------|
| 3. | Coal consumed for the
year in pounds, | 3,043,426 |
| 4. | $\frac{\text{Lbs of wood consumed}}{3} = \text{coal},$ | |
| 5. | Total fuel consumed for
the year, (3 + 4), | 3,043,426 |
| 6. | Total pumping for the
year in gallons, with
allowance for slip, | 2,525,860,944 |
| 7. | Av. static head against
which pumps work, | 166.94 |
| 8. | Av. dynamic head against
which pumps work, | 187.75 |

Little
Quittacas
Station.

Engines A and P.

- | | | |
|-----|---|-------|
| 9. | a. Number of gallons
pumped per pound
of fuel, (5), | 830 |
| | b. Number of gallons
raised 100 feet per
pound of coal for
total fuel, (5), | 1,558 |
| 10. | Duty in foot pounds
per 100 pounds of
coal, using follow-
ing formula mak-
ing no deductions
for starting, bank-
ing fires, heating
building, or any-
thing else, | |

$$\text{Duty} = \frac{\text{Gallons pumped (6)} \times 8.34 \text{ (lbs)} \times 100 \times \text{dynamic head (8)}}{\text{Total fuel consumed (5)}}.$$

129,925 914

COST OF PUMPING, FIGURED ON PUMPING STATION
EXPENSES, VIZ., \$15,658.07.

- | | | |
|-----|--|--------------------------|
| 11. | Per million gallons raised against average
dynamic head (8) into reservoir, | \$6 20 |
| 12. | Per million gallons raised one foot high
(dynamic), | 3 $\frac{30}{100}$ cents |

COST OF PUMPING, FIGURED ON TOTAL MAINTENANCE,
(See Financial CC. + DD.) VIZ., \$150,328.46.

- | | | |
|-----|--|---------------------------|
| 13. | Per million gallons raised against average
dynamic head (8) into reservoir, | \$59.52 |
| 14. | Per million gallons one foot high
(dynamic), | 31 $\frac{52}{100}$ cents |

WATER REPORT.

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RECEIPTS.		EXPENDITURES.	
<i>Balance brought forward,</i>		<i>Water Works Maintenance :</i>	
(a) From ordinary (main- tenance) receipts,	\$20,584.46	AA. Operation (man- agement and repairs),	\$76,148.46
(b) From extraordinary receipts (bonds, etc.),	12,536.98	CC. Total maintenance,	\$76,148.46
Total,	3,178.40	DD. Interest on bonds,	74,180.00
	<u>\$36,299.84</u>	CC. + DD.,	\$150,328.46
<i>From Water Rates :</i>		EE. Payment of bonds,	30,000.00
A. Fixture rates,	\$81,922.00	FF. Sinking fund,	12,000.00
B. Meter rates,	42,202.26	<i>Water Works Construction :</i>	
C. Total from consumers,	\$124,124.26	GG. Extension of mains,	\$34,022.01
D. For hydrants,		HH. Extension of services,	7,078.91
E. For fountains,		II. Extension of meters,	2,858.40
F. For street watering,		JJ. Special,	619.95
G. For public buildings,		KK. Total construction,	44,579.27
H. For miscel. uses,		MM. Balance :	
I. Gen'l appropriation,		(aa) Ordinary,	1,517.97
J. Total for municipal depts,	12,000.00	(bb) Extraordinary,	3,178.40
K. From tax levy,	69,180.00	Total balance,	4,696.37
N. Total,	<u>\$241,604.10</u>	N. Total,	<u>\$241,604.10</u>

FINANCIAL. (*Continued.*)

Disposition of balance.		Balance to new account.	
O.	Net cost of works to date,		
	Old works,	\$1,914,700.81	
	Further supply,	1,316,639.60	\$3,231,340.41
P.	Bonded debt at date,		
	Old works,	\$468,000.00	
	Further supply,	1,200,000.00	\$1,668,000.00
Q.	Value of sinking fund at date,		\$240,181.79
R.	Average rate of interest,	4 ³⁶ / ₁₀₀ per cent.	

STATISTICS OF CONSUMPTION OF WATER.

1. Estimated total population at date,	72,000
2. Estimated population on lines of pipe,	63,000
3. Estimated population supplied,	62,000
4. Total consumption for the year,	2,535,280,580 gallons
5. Passed through meters,	772,887,000 gallons
6. Percentage of consumption metered,	$30\frac{5}{10}$ per cent.
7. Average daily consumption,	6,945,974 gallons
8. Gallons per day to each inhabitant,	96
9. Gallons per day to each consumer,	112
10. Gallons per day to each tap,	700
11. Cost of supplying water, per million gallons, figured on total maintenance (item CC),	\$30.04
12. Total cost of supplying water, per million gallons, figured on total maintenance + interest on bonds,	\$59.29

STATISTICS RELATING TO DISTRIBUTION SYSTEM.

MAINS.		SERVICES.
1. Kind of pipe, cast iron.		16. Kind of pipe, lead and cast iron.
2. Sizes from 4 inch to 36 inch.		17. Sizes, from $\frac{1}{2}$ to 10 inches.
3. Extended 13,553 feet during year.		18. Extended, 11,737 feet.
4. Discontinued, 1,811 feet during year.		19. Discontinued, 547 feet.
5. Total now in use, 100 $\frac{126.5}{10000}$ miles.		20. Total now in use, 64.79 miles.
6. Cost of repairs per mile, \$10.39.		21. Number of service taps added during year, 315.
7. Number of leaks per mile, .16.		22. Number now in use, 9,927.
8. Length of pipes less than 4 inches diam., $\frac{88.52}{10000}$ miles.		23. Average length of service, 34.5 feet.
9. Number of hydrants added during the year, (public and private), 19		24. Average cost of service for the year : a. Gross, \$21.07. b. Net, 7.58.
10. Number of hydrants, (public and private) now in use, 998		25. Number of meters added, 183.
11. Number of stop gates added during year, 40		26. Number now in use, 1,954.
12. Number of stop gates now in use, 1,172		27. Percentage of services metered, $19\frac{7}{16}$.
13. Number of stop gates smaller than 4 inch, 114		28. Percentage of receipts from metered water (B \div C) 34.
14. Number of blow offs, 99		29. Number of motors and elevators added, 4.
15. Range of pressure on mains, 25 lbs. to 95 lbs.		30. Number now in use, 132.

CITY OF NEW BEDFORD,
IN BOARD OF ALDERMEN,
February 11, 1904.

Received, ordered printed in the City Documents,
and sent down for concurrence.

D. B. LEONARD, City Clerk.

IN COMMON COUNCIL,
February 11, 1904.

Concurred.

W. H. B. REMINGTON, Clerk.

1904. CITY DOCUMENT. No. 4.

The Fifty=Second Annual Report

OF THE

TRUSTEES

OF THE

FREE PUBLIC LIBRARY

OF THE

CITY OF NEW BEDFORD, MASS.

NEW BEDFORD, MASS.
THE A. E. COFFIN PRESS, CITY PRINTERS.
1904.

Officers of the Free Public Library

FOR THE YEAR 1904.

TRUSTEES.

Ex-officio.

Terms expire January, 1905.

CHARLES S. ASHLEY, Mayor of the City.

SAMUEL HIGHAM, President of the Common Council.

CHARLES H. LAWTON, Chairman of the Committee of the City
on Education.

Elected by the City Council.

WALTER S. ALLEN, Term expires April, 1905.

WILLIAM L. SAYER, Term expires April, 1905.

ISAAC B. TOMPKINS, JR. Term expires April, 1906.

JIREH SWIFT, JR., Term expires April, 1906.

FRANCIS M. KENNEDY, Term expires April, 1907.

OTIS S. COOK, Term expires April, 1907.

PRESIDENT OF THE BOARD,
THE MAYOR.

CLERK,
WILLIAM L. SAYER.

COMMITTEES,

On Library — MESSRS. SAYER, TOMPKINS, AND SWIFT.

On Finance — MESSRS. KENNEDY, ALLEN, AND COOK.

On the Building — MESSRS. ALLEN, LAWTON, AND COOK.

On Branch Reading Rooms — MESSRS. SWIFT AND LAWTON

LIBRARIAN.

GEORGE H. TRIPP.

CATALOGUER,

ANNA M. DEWOLF.

ASSISTANTS,

CLEMENT L. YAEGER, JOSEPHINE A. MERRICK, SUSIE H. GAMMONS.

ETTA F. LAWRENCE, FLORENCE E. PIERCE, NELLIE C. DAVOLL.

DELIVERY STATION ATTENDANTS,

North Station — WILLIAM BROWN. South Station — ROBERT ALLEN.

PAGES,

JOSEPH F. BIRTWISTLE.

JOHN LEES.

HENRY C. ADAIR.

ARTHUR J. ROGERS.

JANITOR.

YORRICK W. AMES.

Trustees' Report.

To the City Council of the City of New Bedford :

GENTLEMEN:— The Trustees of the Free Public Library present herewith their 52nd annual report, of which the report of the librarian, Mr. George H. Tripp, forms the principal part.

Mr. Tripp has summarized the work and the progress of the year, and has made a number of suggestions looking to the extension of the value of the library. There is no question that any or all of them are timely and valuable.

The trustees desire to emphasize, however, the fact that extensions of the library work in almost any direction must add to the expense.

At the present time, the force is smaller than is usually found in libraries of this size, and it is now working with a zeal that warrants little, if any, more demand upon it.

The interior work of the library, caused by the extraordinary increase in the calls made upon it for information upon a multitude of topics, has grown to an amount which the public imperfectly comprehends, but which is a serious tax upon the time and energies of the force. It

also draws to the library a greatly increased number of visitors, so that it is a frequent occurrence to find the accommodations quite insufficient to care for them.

We desire to reiterate what has been said before, and what the librarian emphasizes in his report, concerning the need of a children's room. No visitor of the library can fail to see that hardly anything is so much required.

Respectfully,

CHARLES S. ASHLEY,	}	<i>Ex-Officio.</i>
SAMUEL HIGHAM,		
WILLIAM E. SMITH,		
ISAAC B. TOMPKINS, JR.,	}	<i>Elected Trustees.</i>
JIREH SWIFT, JR.		
FRANCIS M. KENNEDY,		
LEMUEL LEB. HOLMES,		
WALTER S. ALLEN,		
WILLIAM L. SAYER,		

Librarian's Report.

To the Board of Trustees of the Free Public Library :

GENTLEMEN: — I have the honor to submit the following report on the condition and work of the library, with suggestions of future activities which may make the library more useful to the public.

This report will naturally be divided into two parts; the first stating the actual work accomplished during the year; the second giving the needs of the library and plans suggested for furthering such work.

One of the most radical changes of the past year was the vote of the trustees authorizing cardholders to take out more than one book at a time, one only to be fiction. This movement was in line with the action of all progressive libraries, and was recommended by the librarian in the reports for 1901 and 1902.

The action of the trustees has been proved to be wise and the cardholders appreciate the privilege. An incidental result of this action is shown in the decrease by 3% of fiction taken out.

During the summer months books were allowed to go out on what is called the "vacation plan," by which books were to be taken out and retained for a period not exceeding three months. In this way, people out of town for the summer could have the use of a number of books, and not feel hampered by the necessity of frequent

renewals. Many availed themselves of this privilege, which should be again extended during each summer.

The branch reading rooms have been made book stations, each having a small library of books to circulate independently of the central library. This has proved popular, and use of the reading rooms is constantly growing.

The north room was renovated during the summer, and is now an attractive place for reading and exchanging books.

The catalogue of foreign books was finished in the early summer. This list including books in all foreign languages except French, which were contained in a previous issue, was compiled by Miss DeWolf, and is a very satisfactory addition to our catalogue.

Bulletins have been issued on the following subjects: List of Local Histories, New England States; Panama and the Canal, revised list of Books on the Cotton Industry; Sixty Books about Birds. These lists have been circulated either in connection with the monthly bulletins, or in separate folders. A very general distribution of the reference list on textiles was made among the mills of the city.

Art photographs of architectural subjects, and of ancient sculpture have been displayed through the year, a change being made each week. A large number of the Perry and Cosmos pictures have been added, and should circulate freely among the schools.

A new registration of cardholders was begun April 25, and to January 1, 1904, 5,746 cards were issued.

Catalogue cards furnished by the Library of Congress have been used somewhat, and in many respects have been found to be preferable to typewritten cards.

A count of the printed books in the library, exclusive of pamphlets, shows the actual number to be 84,691, (Aug. 31, 1903), divided into classes as follows:

FREE PUBLIC LIBRARY.

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Bibliography, and magazines not in Poole,	3,025
Philosophy,	1,022
Religion,	4,545
Sociology, including Labor, Law, Education,	5,635
Language and Philology,	575
Science,	3,780
Useful Arts,	3,075
Fine Arts,	3,933
Literature,	7,402
Travel and Description,	4,912
History,	9,530
Biography,	6,062
English Fiction,	11,313
Foreign Fiction,	1,093
Bound Magazines, (Poole sets),	7,055
Government Documents,	6,747
State Documents, Duplicates, and Unclassed,	4,687
Total,	84,691

It is pleasant to note an increased use of the reference room. Usually, in the afternoon and evening, the room is more than comfortably filled, and the work is being constantly extended.

Some special facilities have been extended to the schools in reference work and with reserve shelves, and the relation of the library and the school is being constantly intensified. All requests from teachers for aid in furnishing books, reading lists, and special assistance in reference work, are welcomed, and we are desirous of supplementing most thoroughly the efforts of teachers. I would renew my suggestion of last year, that by advance information regarding subjects to be studied, the library can better be prepared to be of service to inquiring students.

The librarian has been in attendance at various library meetings through the year, and has taken active part in discussions on different phases of library work. These meetings of the Massachusetts Library Club are

very helpful to the librarians themselves, and indirectly to the people whom they serve.

A comprehensive account of this library and some of its treasures was written by Miss Ida A. McAfee, and published in the Standard of June 11, 1903.

A portrait of the late Andrew G. Pierce was presented to the library by the operatives of the Wamsutta mills, and now hangs in the reading room.

There are a few suggestions which, if adopted, I feel sure would increase the usefulness of the library, and I know would be appreciated by those who frequent it. The reading rooms at the North and South end should be open on Sundays. The reading room in the central library is crowded on Sundays, and the attendance is steadily growing. There would seem to be no good reason why the branches should not have the same service. I would advise opening the three reading rooms Sunday afternoons and evenings, from the first of September to the first of July.

It would seem advisable to establish a reading room at the West end if possible. There is a large population in that part of the city who would be accommodated by the establishment of a library branch there, and if the finances available warrant, they should be given the facilities enjoyed by the North and South ends of the city.

As mentioned in the reports of 1901 and 1902, the most pressing need of the library is accommodation for the children. Under existing circumstances they cannot get proper care, and we dare not encourage their attendance since their necessary movements disturb older readers. In one room where books are distributed, the reading of magazines and newspapers, and reference work is going on simultaneously, it is impossible to secure the quiet so necessary for serious reading and study. Add to this the influx of children just old enough to have readers' cards, accompanied by their younger brothers and sisters

as admiring attendants, and it is inevitably too noisy.

Everything possible is done to make the atmosphere of the reading room agreeable and comfortable for visitors, but the problem is sometimes a difficult one.

The library is always ready to supply special reading lists for debating clubs, societies, classes, and any who may be studying along certain lines requiring research. We are also glad to keep a list of subjects in which any individual cardholders are specially interested, with the purpose of notifying them of new material available on such subjects.

The public should feel that the library and its resources belong to them, and that there is sure to be something helpful on any subject among its 86,000 books. Again, the libraries of the whole country are at their disposal, for if books containing the material wanted are not on our shelves, by a system of inter-library loans, a book from any great library in the country, Boston, New York, Library of Congress, etc., may be borrowed by this library for the benefit of our readers. This fact should be generally known.

Failure to get the book wanted may be reported to the librarian, who will be glad to furnish either duplicates, or material bearing on the same subject, as may seem best. The aim of every library should be that no one need go away dissatisfied, and the public can greatly help in bringing about this result.

We should be very glad at any time to furnish collections of books, a dozen or more, to engine houses, police stations, etc., where they may be desired and used to advantage.

The Boys' Guild has been supplied with a collection of books for use at the rooms, as was done last winter.

The library welcomes the Old Dartmouth Historical Society, as a new agent in the preservation of relics and historical data connected with early New Bedford.

Already, the relations between the library and the society are close and mutually beneficial, and will undoubtedly still further supplement the work, each of the other.

There is such a wealth of valuable matter, old papers, log books, manuscripts, etc., still in retirement *sous les toits* of New Bedford homes that should be brought to light and made available for general information. No better depository can be found than the Free Public Library.

In various appendices following are given the statistical information for 1903.

The work of the library staff has been faithfully and diligently performed through the year, and the assistants have been cordial and helpful in their efforts to render good service.

I thank the trustees for their continued confidence and valuable advice which have helped to bring about the satisfactory conditions of the library.

Though statistics are not entirely conclusive, it is agreeable to note that the use of the library is constantly increasing, especially in reference work. The New Bedford Library has a standing among the large libraries of the state and the country. Indeed, we have visitors from remote cities who find what they want only in our collection. In certain departments our library is unique, and it is the purpose of the trustees and the librarian still further to enlarge its resources, and increase its usefulness.

GEORGE H. TRIPP, Librarian.

APPENDIX A.

CIRCULATION.

CLASSIFICATION.	NO. OF BOOKS CIRCULATED.	PERCENT OF WHOLE.
Miscellaneous and Periodicals	4,226	3.7
Philosophy	993	.8
Religion	1,267	1.
Sociology, including education, labor, law, etc.	2,466	2.1
Language	362	.3
Science	2,260	1.9
Useful arts	2,655	2.3
Fine arts	3,098	2.7
English literature	3,033	2.7
Foreign literature	693	.6
Biography	3,033	2.7
History	3,903	3.4
Travel and description	3,084	2.7
English fiction	80,837	69.8
Foreign fiction	3,866	3.3
Uncharged or unclassified	1,000	
	<hr/> 116,776	<hr/> 100.

APPENDIX B.

GENERAL STATISTICS FOR 1903.

Volumes added to the library from all sources	4,094	
Pamphlets	779	
Total additions		4,873
Volumes added by purchase	3,569	
Volumes added by gift	525	
Volumes worn out and withdrawn	341	
Volumes replaced	169	
Net additions to the library in volumes		4,701
Volumes bound (including periodicals and volumes re- paired at bindery)		1,299
Total number of volumes in the library January 1, 1904		85,715

Periodicals in reading room	251
Newspapers in reading room	30
New cards issued (new registration)	5,739
Books drawn for home use	116,776
Pictures loaned :	
Paintings	190
Architecture	376
Prints	4
Sculpture	107
Prang Historic Ornament	12
Total	689

North Branch:—

Attendance, adults	4,770
" children	10,705
Books circulated	1,454

Periodicals in reading room	11
Newspapers in reading room	13

South Branch:—

Attendance, adults	5,201
" children	15,704
Books circulated	974

Periodicals in reading room	10
Newspapers in reading room	9

APPENDIX C.

EXPENDITURES 1903.

CITY APPROPRIATION.

Appropriation	\$12,000.00
Binding	\$1,014.09
Carrying books (branches)	80.00
Freight	25.20
Newspapers and periodicals	141.48
Printing	510.42

FREE PUBLIC LIBRARY.

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Repairs	197.04	
Telephone	33.00	
Salaries and wages	9,462.71	
Supplies	392.16	
Work on Leonard Papers	256.75	12,112.85

DOG FUND.

Balance		\$2,162.29
Income		1,656.13
		<hr/> 3,818.42

Furniture	\$16.00	
Books	324.00	
Newspapers and periodicals	1,036.48	
Photographs	8.64	
Repairs	87.38	
Freight	11.63	
Binding	38.01	
Printing	37.50	
Supplies	60.24	
Insurance	810.00	
Telephone	3.00	
Copying Leonard Papers	24.00	
Lighting reading room	78.59	
Transporting books	20.00	
	<hr/>	\$2,555.47

Balance	\$1,262 95
---------	------------

READING ROOM FUND.

Balance		\$140.66
N. B. Gas & Edison Light Co.	\$115.81	
Supplies	3.93	
Newspapers and periodicals	12.00	
Repairs	.60	
	<hr/>	132.34

Balance	\$8.32
---------	--------

JAMES B. CONGDON FUND.

Balance	\$157.66
Income	30.00

	<hr/> \$187.66
Balance	\$187.66

No expenditures

GEORGE O. CROCKER FUND.

Balance		\$ 74.49
Income		400.00
		<hr/>
		\$474.49

Books	\$340.52	
Autographs	5.85	
Photographs	18.50	
Maps	48.00	
	<hr/>	412.87
Balance		<hr/>
		\$ 61.62

OLIVER CROCKER FUND.

Balance		\$219 06
Income		60 00
		<hr/>
		\$279.06

Balance	No expenditures.	\$279 06
---------	------------------	----------

GEORGE HOWLAND, JR., FUND.

Balance		\$222.43
Income		96.00
		<hr/>
		\$318.43
Books	\$208.00	
Photographs	60.38	
	<hr/>	268.38
Balance		<hr/>
		\$50.05

SYLVIA ANN HOWLAND FUND.

Balance		\$776.10
Income		3,000.00
		<hr/>
		\$3,776 10
Books	\$3,746.46	
Pictures	12.38	
Periodicals	13.20	
		<hr/>
		\$3,772.04
Balance		<hr/>
		\$4.06

FREE PUBLIC LIBRARY.

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CHARLES W. MORGAN FUND.

Balance		\$226.24
Income		60.00
		<hr/>
		\$286.24
Books	\$81.33	
Balance		\$204 91

CHARLES L. WOOD FUND.

Balance		\$288.18
Income		80.00
		<hr/>
		368.18
Books	\$100.75	
Old documents	31.00	
Supplies	1.25	
Photographs	9.64	
		<hr/>
		142.64
		<hr/>
Balance		\$225.54

TOTAL EXPENDITURES.

Binding	\$1,052.10
Books	4,801.06
Carrying books (branches)	100.00
Freight	36.83
Furniture	16.00
N. B. Gas & Edison Light Co.	194.40
Newspapers and periodicals	1,203.16
Photographs	109.54
Printing	547.92
Repairs	285.02
Salaries and wages	9,462.71
So. Mass. Telephone Co.	36.00
Supplies	457.58
Insurance	810.00
Copying Leonard Papers	280.75
Old Documents	31.00
Maps	48.00
Autographs	585.00
	<hr/>
	\$20,057.07

FINES ACCOUNT.

Balance January 1, 1904

\$455.32

APPENDIX D.

LIST OF NOTEWORTHY BOOKS ADDED IN 1903.

- Collection of photographs of old whalers and
wharf scenes in New Bedford, Mass. Joseph G. Tirrell, comp.
Great mountains and forests of South Carolina Paul Fountain
Venice of today F. Hopkinson Smith
Rock tombs of Deir el Gebrâwi N. de G. Davies
Marriages notices in South Carolina Gazette. A. S. Salley, Jr., comp.
Specifications and drawings of the United
States Patent Office
Chansons de France M. B. de Mourel
Deutsche Schmiedearbeiten A. G. Münschen
Old Kittery and her families Everett S. Stackpole
More letters of Charles Darwin, 2 vols. Charles Darwin
Studies of a biographer, 4 vols. Leslie Stephen
Human personality, 2 vols. Frederick W. H. Myers
Practical seamanship J. Todd and W. B. Whall
Destruction of the Greek empire Edwin Pears
English country houses
Personality of Emerson F. B. Sanborn
Les affiches illustrées Ernest Maindron
American business and accounting encyclopædia
E. H. Beach and W. W. Thorne, comp.
Life of Richard Wagner W. A. Ellis and C. F. Glasenapp
Asiatic Russia, 2 vols. Geo. F. Wright
Complete works of Theodore Roosevelt
Femme dans l'antiquité Grecque G. Notor
Biographical sketches of graduates of Yale
College, vol. 3 Franklin B. Dexter
Genealogy of William Chesbrough Anna C. Wildey
Mercerisation, 2 vols. Arthur Morris and others, Eds.
Fishes of North America William C. Harris
Manning's yacht register for 1903
History of Northampton Jas. R. Trumbull

- Address before the Rhode Island Historical Society William R. Sheffield
- American diplomacy in the Orient John W. Foster
- London in the eighteenth century Walter Besant
- Religions of ancient Egypt and Babylonia A. H. Sayce
- Mont Pelée Angelo Heilprin
- Essay on laughter James Sully
- History of the world H. F. Helmont, Ed.
- New voyage and description of Isthmus of America Lionel Wafer
- Practical ostrich feather dyer Alexander Paul
- Complete works of Samuel Clemens
- Memoirs of the life of Sir Walter Scott, 5 vols. John G. Lockhart
- Modern machine shop tools William H. Van Dervoort
- Lamb's biographical dictionary of the United States James H. Lamb Co.
- Boke of Saint Albans Juliana Berners
- Edward Bowen W. E. Bowen
- Life and letters of James Martineau, 2 vols. James Drummond
- Technological dictionary, English, French, German A. & L. Tolhausen, Ed.
- Through the heart of Patagonia H. H. Prichard
- Treatise on the law of banks and banking, 2 vols. John T. Morse, Jr.
- Richmondshire J. M. W. Turner
- Southern coast of England J. M. W. Turner
- Westminster Abbey Henry John Feasey
- Biblia Sacra Polyglotta, 2 vols. Samuel Lee
- Tebtunis Papyri Egypt Exploration Fund
- Professional criminals in America Thomas Byrnes
- Moderne stil, 3 vols. Julius Hoffmann
- Divina Commedia Dante Alighieri
- Library of literary criticism Chas. W. Moulton, Ed.
- Nova Solyma, 2 vols. John Milton
- French cathedrals and chateaux, 2 vols. Clara C. Perkins
- Geschichte der Baukunst, 2 vols. D. Joseph
- Autobiography and letters, 2 vols. Sir A. Henry Layard
- Life of Bret Harte T. Edgar Pemberton
- Life and career of Major John André William Abbott, Ed.
- Georgian period, vol. 3 William Rotch Ware, Ed.
- Historical philosophy in France and French Belgium and Switzerland Robert Flint
- English household furniture
- New letters and memorials, 2 vols. Jane Welsh Carlyle
- Sculptures of the Parthenon A. S. Murray

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| Life of Richard Wagner | C. F. and Ellis Glasenapp |
| History of Lunsden's horse | Henry H. S. Pearse |
| History of the United States marine corps | Richard S. Collum |
| Living animals of the world, 2 vols. | C. J. Cornish and others, Ed. |
| Contemporary France | Gabriel Hanotaux |
| History of early steamboat navigation on the
Mississippi River, 2 vols. | Hiram M. Chittenden |
| How England saved Europe, 4 vols. | W. H. Fitchett |
| History of the Eastman family, 2 vols. | Guy C. Rix, comp. |
| Allegemeine Handelkorrespondenz | |
| Mary Rich, Countess of Warwick, | Charlotte F. Smith |
| On the Polar Star in the Arctic Sea, 2 vols. | Duke of Abruzzi |
| Cambridge modern history. United
States | A. W. Ward and others, Ed. |
| English literature. An illustrated record | Richard Garnett |
| Lectures on practical weaving | Thomas R. Ashenhurst |
| Elementary treatise on finishing | Joseph Depierre |
| Encyclopedia Britannica, 10 vols. supplément | |
| World's children | Mortimer Menses |
| Glance at the Grimani Breviary | Fred. Ongania, pub. |
| Meisterschaft system, Spanish | Dr. R. S. Rosenthal |
| Century library of music, 20 vols. | I. J. Paderewski and others, Ed. |
| Man in art | P. G. Hamerton |
| Table-book | George Cruikshank |
| Colour in woven design | Roberts Beaumont |
| Modern eloquence | Thomas B. Reed, Ed. |
| Masterpieces in collection of pictures | Duke of Devonshire |
| Moody's manual of corporation securities | |
| Gate beautiful | John Ward Stimson |
| Remarkable bindings in the British Museum | Henry B. Wheatley |
| Famous composers and their works, 3 vols. | Philip Hale, Ed. |
| Life and labour of the people in London, 12 vols. | Charles Booth |
| Royal yacht squadron | M. Guest and W. B. Boulton |
| Mediaeval stage, 2 vols. | E. K. Chambers |
| Palaces and prisons of Mary, Queen of Scots | M. M. Shoemaker |
| Cutting in a whale, 25 photographs | |
| History of the great Civil War, 4 vols. | Samuel R. Gardiner |
| Scriften atlas | Ludwig Petzendorfer, comp. |
| Book of art, 3 vols. | Payne |
| Royal Dresden gallery, 2 vols. | Payne |
| Life of William Ewart Gladstone, 3 vols. | John Morley |
| William Wetmore Story, 2 vols. | Henry James |
| Expositor's Bible, 6 vols. | W. Robertson Nicoll |

Stately homes in America	H. W. Desmond and H. Croly
Deeds of valor, 2 vols.	W. F. Beyer and O. F. Keydel
New discovery of a vast country in America, 2 vols.	Louis Hennepin
Historic highways of America, 9 vols.	Archer B. Hulbert
Warwick Castle and its Earls, 2 vols.	Frances Evelyn Warwick, Countess
American Bibliography	Charles Evans
Letter box and abstract of out services	James Mac Sparran
Principal navigations, voyages, traffiques and discoveries of the English nation, 2 vols.	Richard Hakluyt
History of American sculpture	Lorado Taft
Early records of Portsmouth	Clarence Brigham, Ed.
History of English poetry, vol. 3	W. J. Courthope
Great masters	John Lafarge
Moon (The)	William H. Pickering
Letters of Dorothea, Princess Lieven	Dorothy Lieven, Princess
Jane Austen	Constance Hill
Sidelights on the Court of France	Andrew C. P. Haggard
Central Asia and Thibet, 2 vols.	Sven Hedin
Mechanical engineer's reference book	Henry H. Suplee
Autobiography of seventy years, 2 vols.	George F. Hoar

APPENDIX E.

REFERENCE LISTS SINCE 1896.

All of these lists may be consulted at the Library at any time.
Some of the old lists may be obtained by application at the desk.

REFERENCE LISTS.

1896.	9. Whittier
1. Munroe Doctrine	10. New England Summer Resorts
2. Armenian Question	11. H. B. Stowe
3. Abraham Lincoln	12. Money Question
4. Kindergarten	13. Education
5. Cuba	14. Shakespeare
6. Venezuela	15. Municipal Government
7. Memorial Day	16. Christmas
8. Nicaragua	

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|---|---|
| <p style="text-align: center;">1897.</p> <p>17. Electricity</p> <p>18. William Morris</p> <p>19. W. H. Gibson</p> <p>20. Natural Sciences</p> <p>21. Greece, Crete, etc.</p> <p>22. H. W. Longfellow</p> <p>23. O. W. Holmes</p> <p>24. State and Municipal
Ownership</p> <p>24. Governor Bradford and
Plymouth Colony</p> <p>25. Alaska</p> <p>25. Hawaii</p> <p>26. Tennyson</p> <p>27. Dante</p> <p style="text-align: center;">1898.</p> <p>28. Japan</p> <p>29. China See 54</p> <p>30. Books for Younger Readers</p> <p>31. Books for Younger Readers</p> <p>32. Books for Younger Readers</p> <p>33. Books for Younger Readers</p> <p>34. Gladstone</p> <p>35. Spain</p> <p>36. Philippines</p> <p>37. Thanksgiving Day</p> <p>38. Hawaii See 25</p> <p>39. Spanish American War</p> | <p style="text-align: center;">1899.</p> <p>40. Photography</p> <p>41. Ruth McEneyr Stuart</p> <p>42. Painting</p> <p>43. Fine Arts</p> <p>44. Fine Arts</p> <p>45. Sports</p> <p>46. South Africa</p> <p style="text-align: center;">1900.</p> <p>50. Art Photographs, Italian</p> <p>51. Art Photographs, Italian</p> <p>52. Art Photographs, Italian</p> <p>53. Art Photographs, Italian</p> <p>54. China See 29</p> <p>55. Birds</p> <p style="text-align: center;">1901.</p> <p>56. Arts and Crafts</p> <p>57. King Alfred the Great</p> <p>58. Whaling Industry</p> <p style="text-align: center;">1902.</p> <p>59. Cotton Industry, Textiles
and Textile Industries</p> <p>60. Genealogies, Family His-
tories, Heraldry, etc.</p> <p>61. Crowns and Coronations</p> <p style="text-align: center;">1903.</p> <p>62. List of Local Histories
—New England States</p> |
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Short unnumbered reading lists on Wm. McKinley; Theodore Roosevelt; John Fiske; Victor Hugo; Labor, Arbitration and Strikes; Gosnold and the Island of Cuttyhunk.

APPENDIX F.

 BOUND VOLUMES OF MAGAZINES NEEDED TO
COMPLETE SETS.

[The Library would be glad to receive by gift or purchase any
of the volumes mentioned below.]

- Academy. Vols. 1, 2, 4.
 All the Year Round. Vol. 57.
 American Almanac and Repository for Useful Knowledge. Vol. 14.
 American Architect and Building News. International Edition.
 Vols. 49, 51-78.
 American Church Review. Vols. 1, 5.
 American Eclectic. Vols. 3, 4.
 American Journal of Psychology. Vols. 1-10.
 [American] Methodist Magazine. Vols. 1-11, 15, 21, 22.
 American Statistical Association Publications. Vols. 1-5.
 Architectural Record. Vols. 1-12.
 Argosy. Vols. 1-16, 53-62.
 Art Journal. Vols. 45, 48.
 Baptist Quarterly. Vol. 7.
 Bentley's Miscellany. Vols. 1, 2, 4, 5, 7-64.
 British Quarterly Review. Vols. 21-52.
 Brush and Pencil. Vols. 1, 2.
 Catholic World. Vols. 1-7, 26.
 Charities. Vols. 1-5.
 Charities Review. Vols. 1-5.
 Chautauquan. Vols. 1-3.
 Christian Disciple. II. Vol. 5. (1823).
 Christian Observer. Vols. 4-9, 27-77.
 Christian Quarterly Spectator. Vol. 1.
 [Colburn's] New Monthly Magazine. 148-171.
 Cosmopolitan. Vol. 1.
 Critic. Vols. 1-13. Being 1-3 old ser. and 1-10 new ser.
 Democratic Review. Vols. 4, 32-38, 40-42.
 Dial. (Bost). Vol. 1.
 Dial. (Chic). Vols. 1-19.
 Dublin Review. Oct. 1899. Title and index to Vols. 125, 127.
 Eclectic Magazine. 10-63; 64-127, 130-131, (being second series 1-64,
 67-68); 132-to date, (being 3rd ser. 1-to date).

- Economic Review. Vols. 8, 9, +
 Education. Vols. 1-22.
 Every Saturday. Vol. 11.
 Everybody's Magazine. Vols. 1-7.
 Foreign Quarterly Review. Vols. 1-13.
 Fraser's Magazine. Vols. 1-67.
 Galaxy. Vols. 1-6, 25.
 Godey's Lady's Book. Whole set.
 Historical Magazine. Irving number extra of Vol. 3; vol. 8; title index to v. 20; pt. of vol. 23.
 Hogg's Instructor. II. Vols. 1-9. (1848-1853).
 Hunt's Merchant's Magazine. Vols. 49, 61.
 Journal of the Franklin Institute. Vol. 113.
 Leisure Hour. Vol. 3.
 Literary and Theological Review. Vols. 2-4, 6.
 Literary World. Vols. 1-4, (pt. of 23).
 Literature. (Lond). Vol. 4. +
 Magazine of American History. Vol. 30, No. 4, +. Title and index to vol. 30.
 Magazine of Western History. All with exception of Vol. 4, No. 1.
 Municipal Affairs. Vol. 2-6, No. 3.
 Munsey's Magazine. Vols. 6-9, 15.
 Narragansett Historical Register. Vol. 9.
 National Quarterly Review. 1-34, (37 [pts. of]) (39 [pts. of]), 40, 41.
 National Review. (1855-64). Vols. 14-19.
 National Review. (1883-1899). Vols. 1-13, 24-28.
 Nature. Vol. 35.
 New Bedford Mercury. Aug. 14, 1807, and Oct. 9, 1807.
 New England Magazine, Bost. Vols. 8, 9. (1835).
 New Englander. Vol. 9.
 New World. Vols. 1-4, 7, 8, +
 New York Review. Vol. 10.
 Outing. Vols. 1, 3, 31.
 Outlook. Vols. 48-50.
 Overland Monthly. Vols. 1-7. (1868—).
 Pall Mall Magazine. Vols. 23-28.
 Pedagogical Seminary. Vol. 9, +
 Pennsylvania Magazine of History and Biography. Vols. 11-18.
 Penny Magazine. Vols. 12-14.
 Poet-Lore. Vols. 1-7, 10, 11, +
 Popular Science Review. Vol. 10.
 Portfolio. [Dennie's]. Vols. 23-34.
 Putnam's Monthly Magazine. Vol. 16.

Quarterly Review. 65 and the following index vols. 40, 60, 80, 100,
121, 140, 160, 181.
Saturday Review. Vol. 40.
Science. Vols. 9-23. (1887-1894). N. S. Vols. 1-4.
Scottish Review. Vols. 1-28.
Social Economist. Vols. 1-3, 9.
Southern Quarterly Review. I. Vols. 1-16. (1842-1850).
Spectator. Vols. 1-44.
Studio, International. Vols. 1-14.
Sunday Magazine. Vols. 1-10, 11-24, 29-31.
Temple Bar. Vols. 1-34, 49-54, 79-96.
Westminster Review. Vols. 29, 30.
Writer. Vols. 11, 12, +

APPENDIX G.

Gifts — 1903.

	VOLS.	PMS.
Alexander, H. B., Fairhaven		1
American Anti-Vivisection Society, The, Philadelphia, Pa.		1
American Congregational Association, Boston.....	1	1
American Economic Association.....		1
American Free Trade League, Boston.....		2
American Historical Association.....		1
American School of Correspondence, Chicago, Ill.....		1
Amherst College, Amherst		2
Andover Theological Seminary, Andover		1
Anti-Imperialist League, New York City		2
Ashley, Hon. Charles S., New Bedford.....	1	
Balch, Thomas Willing, Esq., Philadelphia, Pa.....	1	
Bancroft Whitney Company, San Francisco, Cal.....	1	
Barnard, James M., Boston.....		Picture 1
Bartlett, George F., New Bedford		
..... Passports 6, Sea Letters 11		
Baxter, James Phinney, Portland, Me.....	1	

Baylor University, Waco, Texas.	2
Benton, Charles E., New Bedford .....Chart	
Benton's Business School, New Bedford	1
Beveridge, Hon. Albert J., Washington, D. C.	1
Bolles, Charles E., New Bedford.	1
Boston, Mass., City of.	1
Boston Book Company, Boston	6
Boston City Hospital, Boston	1
Boston College, Boston.	1
Boston Port and Seamen's Aid Society, Boston	1
Bowdoin College, Brunswick, Me.	1
Brooks, C. P., New Bedford.	1
Brown, Robert Marshall, New Bedford	1
Brown University, Providence, R. I.	1
Brunton, Rev. William, Fairhaven.	6
Bureau of Agriculture, Labor, and Industry, Helena, Ma. .	1
Bunker Hill Monument Association, Boston.	1
Butler Hospital, Providence, R. I.	1
California State Board of Architecture, San Francisco, Cal.	1
Channing, Walter, M. D., Brookline.	1
Channing, Walter, M. D., and Knowlton, Wallace M., M. D., Brookline	1
Chicago, Ill., City of.	1
Chinese-American Ginseng Co., Scranton, Pa.	2
Church, William A., New Bedford ... 426 War Envelopes	
Church Calendar Company, The, New York City.	1
Clark, Richard U.	1
Clemson Agricultural College, Clemson College, S. C.	1
Clifford, Charles W., Esq., New Bedford	2
Colby College, Waterville, Me.	1
Committee for the Preservation of Park Street Church, Boston	1
Congdon, George Edward, Sac City, Ia.	1
Cook, Thomas, and Son, New York City	1
Cornell University Agricultural Experiment Station, Ithaca, N. Y	6
Crane, R. T., Chicago, Ill.	1
Curtis & Cameron, Publishers, Boston	1
Dante Society, Cambridge.	1
Dartmouth College, Hanover, N. H.	1
Davis, William F., Portland, Me.	2
Delano, Charles H. L., New Bedford	9
Depew, Hon. Chauncey M., Washington, D. C.	1

Dow, Joy Wheeler, New York City.....	1
Drake, Albert B., New Bedford.....	1
Drexel Institute, Philadelphia, Pa.....	1
Egypt Exploration Fund.....	2
Eldred, Lemuel D., Fairhaven .....Map	1
Ellis, Granville A., London, Eng.....Map	
Farnsworth Company, The, Cincinnati, O.....	1
Field Columbian Museum, Chicago, Ill.....	8
Fitchburg, Mass., City of	1
General Society of Mechanics and Tradesmen, The, New York City	2
Gifford, Charles H., New Bedford	7 1
Greene, Francis B., New Bedford.....	1
Hampton Normal and Agricultural Institute, Hampton, Va.....	1
Handy, Louise Holmes, Fall River	1
Harper and Brothers, New York City.....	1
Hartford Theological Seminary, Hartford, Conn.....	1
Harvard University, Cambridge	1 1
Hawaii Promotion Committee, Honolulu, T. H.....	3
Heffley [University], The	1
Holy Cross College, Worcester	1
Hoskier, Herman C., London, Eng.....	1
Hutchinson, H. S. & Co., New Bedford.....	2
Hyannis State Normal School, Barnstable	1
Hygienic Publishing Agency, London, Eng.....	1
Indian Rights Association, Philadelphia, Pa.....	3
Ingraham, Andrew, New Bedford.....	2
Iowa College, Grinnell, Ia.....	8
Johns Hopkins University, The, Baltimore, Md.....	1
Kohler, Charles, Savannah, Ga.....	1
Lake Mohonk Conference, Lake Mohonk, N. Y.....	2
Lega-Weekes, Ethel, London, Eng.....	1
Leicester, Miss Muriel Essex, Jamaica, N. Y.....	1

Libraries.

(Reports, Bulletins, or similar publications have been received from the following libraries).

Baltimore, Md., Enoch Pratt Free Library.....	
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Boston, General Theological Library.....	
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Bradford, Pa., Carnegie Public Library	

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Brookline Public Library	
Brooklyn [N. Y.] Public Library	
Brunswick, Me., Bowdoin College Library	
Buffalo [N. Y.] Public Library	
Burlington [Ia.] Free Public Library	
Cambridge Public Library	
Cambridge, Harvard University Library	
Chelsea, Fitz Public Library	
Chicago [Ill.] Public Library	
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District of Columbia, Public Library	
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Erie, Pa., Public Library	
Fairhaven, Millicent Library	
Fitchburg, Public Library	
Germantown, Pa., Friends' Free Library and Reading Room	
Groton Public Library	
Hartford, Conn., Public Library	
Haverhill Public Library	
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Jersey City, N. J., Free Public Library	
Lansing, Mich., Michigan State Library	
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Northampton, Forbes Library.....	
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Philadelphia, Pa., Library Company.....	
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Providence [R. I.] Public Library.....	
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St. Louis [Mo.] Public Library.....	
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Washington, D. C., Library of the Department of Agriculture.....	
Westminster, Eng., Public Libraries.....	
Wilmington [Del.] Institute Free Library.....	
Worcester, Free Public Library.....	
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Macmillan Company, The., New York City.....	1
Maine Fish and Game Commissioners, Augusta, Me.....	1
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Massachusetts Agricultural College, Amherst	1
Hatch Experiment Station of	4
Massachusetts Civil Service Reform Association, Boston..	1
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Massachusetts Institute of Technology, Boston	2
Massachusetts Single Tax League, Boston.....	2

Massachusetts Total Abstinence Society, Boston.....	1	
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Merrick, Josephine A., New Bedford.....	1	
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New England Anti-Vivisection Society, Boston	1	
New Jersey, State of.....	1	
New London Central Labor Union, New London, Conn. ...	1	
New York, N. Y., City of.....	1	1
New York Farmers, The., New York, N. Y.....	1	
New York State Union for the Advancement of Agricul- tural Education.....	2	
New York University, New York, N. Y.....	1	
Nourse, Henry Stedman, South Lancaster	1	
Official Gazette, Manila, P. I.....	2	
Old Colony Historical Society, Taunton	2	
Pease, Z. W., New Bedford.....	6	Prints
Pearce, Miss Emma E., New Bedford..		Genealogical Notes
Pennsylvania Prison Society, Philadelphia, Pa.	1	
Perkins Institute and Massachusetts School for the Blind, South Boston	2	
Philadelphia City Institute, Philadelphia, Pa.....	1	
Philippine Civil Service Board.....	1	
Pillsbury, Albert E., Boston.....	2	
Pioneer Advertising Company, Honolulu, T. H.....	1	
Polytechnic Institute of Brooklyn, Brooklyn, N. Y.....	2	
Potter, Alfred C., Cambridge.....	1	
Pratt Institute, Brooklyn, N. Y.....	1	
Princeton University, Princeton, N. J.....	2	
Providence Record Commissioners, Providence, R. I.	1	
Remington, W. H. B., New Bedford.....	1	
Rhode Island School of Design, Providence, R. I.....	1	

Richards, Lysander S., Marshfield Hills.....	1	
Ricketson, Anna and Walton, New Bedford,	1	
Rodman, Thomas, New Bedford,	1	
Rogers, James E., San Francisco, Cal.....	1	
Roy, Pierre-Georges, Lévis.....	2	
Royal Historical Society, London, Eng.....	1	
Ruggles, William Stoddard, Wakefield.....	1	
St. Luke's Hospital, New Bedford.....	1	
Sanford, Gardner T., New Bedford	1	
Santa Fé Railroad, Passenger Department.....	1	
Sayer, William L., New Bedford, 3 plans.....	16	13
School of Industrial Art of the Pennsylvania Museum, Philadelphia, Pa.....	2	
Sears, Vinton A., Boston	1	
Simmons College, Boston	3	
Simons, A. M., Chicago, Ill.....	1	
Smalley, Miss Addie, New Bedford.....	14	
Smith, Howard Irving	1	
Smithsonian Institute, Washington, D. C.....	6	9
Snyder, John, Boston	1	
Soldiers' Home in Massachusetts, Chelsea.....	2	
Southeran, H. and Co., London, Eng.	1	
Southern Massachusetts Fish and Game League	1	
Spollon, John, New Bedford.....	1	
Sprague, Homer B., Newton	1	
Springfield City Library.....	3	2
Stanton, Irving G., New Bedford.....	5	10
State Normal School, Emporia, Kansas.....	5	
Stearns, Frank Preston, Arlington Heights ..	1	
Taber, Silas S., New Bedford	1	
Tennant and Ward, Publishers, New York, N. Y.....	1	
Thompson, William, Dartmouth.....	1	
Tisbury, Mass., Town of.....	1	
Tripp, George H., Fairhaven	3	1
Tucker, Dr. Edward T., New Bedford	2	
United States Government:		
Agriculture, Department of	4	253
Chicamauga and Chattanooga National Military Park Commission		1
Commerce and Labor, Department of.....	3	7
Congress.....	189	2
Interior, Department of..Atlases 12..Maps 182.....	25	33

Interstate Commerce Commission.....	1	
Navy Department.....	6	2
Patent Office	7	1
State, Department of ..	14	91
Superintendent Coast and Geodetic Survey		1
Superintendent of Documents.....		16
Treasury Department	30	20
United States Commission of Fish and Fisheries		1
United States Court of Claims.....	1	
War Department	7	4
University of Chicago, Chicago, Ill.	1	4
University of Illinois, Urbana, Ill.		3
University of Nebraska, Lincoln, Neb.	1	
University of Pennsylvania, Philadelphia, Pa.	3	
University of Vermont and State Agricultural College, Burlington, Vt.	2	
Vassar College, Poughkeepsie, N. Y.		1
Wellcome Physiological Research Laboratories, London, Eng.	1	
Wellsley College, Wellsley ..		1
Whitman, William, Boston ..		2
Williams, Mrs. Rufus Phillips, Cambridge.		2
Williams, Wm. F., New Bedford,		4
Winslow, Capt. George F., New Bedford. Chart.		3
Yale University, New Haven, Conn.	1	1

PERIODICALS, ETC.

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- American Anti-Vivisection Society. Journal of Zoöphily. Philadelphia, Pa., 1903.
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- Engineer Publishing Company. The Engineer. Chicago, Ill., 1903.
- Forum Publishing Company. Franklin County Forum. Saranac Lake, N. Y., 1903.
- Gunton Company, The. Lecture Bulletin of the Institute of Social Economics. New York, N. Y., 1903.
- Holy Cross College. The Holy Cross Purple. Worcester, 1903.
- International Society of Arboriculture. Arboriculture. Chicago, Ill., 1903.
- Johns Hopkins University. Circulars. Baltimore, Md., 1903.
- Kupfer, George A., editor. The Guide. West Fresno, Cal., 1903.
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1904. CITY DOCUMENT. No. 5.

ANNUAL REPORT

OF THE

CHIEF ENGINEER

OF THE

FIRE DEPARTMENT



OF THE CITY OF NEW BEDFORD
FOR THE YEAR ENDING
DECEMBER 31, 1903.

FREDERICK MACY, CHIEF ENGINEER.

COMMITTEE OF THE CITY COUNCIL

ON

FIRE DEPARTMENT.

1903.

ALDERMEN,

DR. L. Z. NORMANDIN,
Residence, 584 Purchase Street.

CHAS. B. HILLMAN, JR.
Residence, 152 Fourth Street.

COUNCILMEN,

FRANCIS P. WASHBURN,
Residence, Mill Road.

MANUEL A. ANDREWS,
Residence, 183 Bonney Street.

L. T. WOOLFENDEN,
Residence, 809 County Street.

ENGINEER'S DEPARTMENT.

CHIEF ENGINEER,
FREDERICK MACY,
Residence, 234 Acushnet Avenue.

FIRST ASSISTANT ENGINEER
EDWARD F. DAHILL,
Residence, 764 County Street.

SECOND ASSISTANT ENGINEER,
JAMES J. DONAGY,
Residence, 83 Washington Street.

THIRD ASSISTANT ENGINEER,
WILLIAM E. WATSON,
Residence, Corner Fourth and School Streets.

FOURTH ASSISTANT ENGINEER,
ROBERT WOOLFENDEN, JR.
Residence, 399 Pleasant Street.

CLERK OF BOARD OF ENGINEERS,
FREDERICK B. MACY,
Residence, 22 Parker Street.

MASTER MECHANIC,
DANIEL D. BRIGGS,
Residence, 43 Bedford Street.

ASSISTANT MASTER MECHANIC,

GEORGE H. PARKER,

Residence, 40 Parker Street.

DEPARTMENT ENGINEER,

HENRY J. MARSHALL,

Residence, 261 Fourth Street.

DEPARTMENT DRIVERS,

GEO. S. ALLEN,

297 Acushnet Avenue.

FRANK A. LEWIS,

Residence, 208 Kempton Street.

JAMES T. WING,

Residence, 279 Acushnet Avenue.

DEPARTMENT LINEMAN,

WILLIAM CURTIS,

Residence, 43 Wing Street.

CAPTAIN CENTRAL ENGINE HOUSE,

LORING T. PARLOW,

Residence, 39 High Street.

REPORT.

HEADQUARTERS FIRE DEPARTMENT,
CITY HALL, NEW BEDFORD,
December 31, 1903.

GENTLEMEN: — In compliance with the requirements of the City Ordinance governing the Fire Department of the city, I herewith submit to you my twenty-seventh annual report of the condition and work performed by this department for the year 1903, together with a list of members, with their rank, number of badge, age, residence and occupation; location of hydrants and fire alarm boxes; a statement of receipts and expenses; fires and alarms; losses and insurance, as near as could be ascertained; and such suggestions as I think will be necessary for the good of the department.

The department is in very good shape and the apparatus in good order.

There has been considerable work done during the year in the way of repairs, and I know of no great outlay needed the coming year.

We have been extremely fortunate in having quick alarms, and the members of the department have been very prompt in responding, and our fires have been quickly extinguished.

While we have had our usual number of alarms, I am happy to report that our losses have been smaller than for any year since 1885.

There has been no addition to the department during the year, but the city government made an appropriation and contract to erect a house on the lot owned by the city, on the corner of Kempton and Reed sts. It will be built as soon as the weather is suitable in the spring.

When this house is finished and equipped, it will give the west side of the city the protection which has long been wanted.

I regret to have to report the deaths of three members of the department during the year.

John H. Dollard, age 47, hoseman of Engine Co. 2, died on Aug. 22nd. Wm. L. Davis, aged 40, hoseman of Engine Co. 5, died on Oct. 20th, and Lemuel A. Washburn, aged 64, hoseman of No. 9, died on Nov. 30th.

Casimir Rocha, aged 4 years, and Caroline Rocha, aged 2 years, children of Casimir Rocha, were suffocated at a fire which occurred at No. 48 Oak st., on Feb. 18th.

Margaret Quill, aged 44 years, wife of Timothy Quill, was so badly burned at a fire which occurred in the rear of 548 Acushnet ave., on Nov. 30th, that she died at the Emergency Hospital the next day.

FORCE OF THE DEPARTMENT.

The force of the department consists of two hundred and twenty men, divided as follows: Forty-four permanently employed and one hundred and seventy-six call men.

APPARATUS.

The apparatus consists of eight steam fire engines, all in first-class order, one hand engine at the Head of the River, two two-wheeled and one four-wheeled hose reels, eight hose wagons, one combination chemical, three Hayes aerial ladder trucks in commission (one Ryan truck in reserve), nine exercise and coal wagons, and one telegraph wagon.

FIRE DEPARTMENT.

HOUSES.

There are eight brick and one frame engine houses, all in good order, and will need little done to them the coming year.

HORSES.

There are forty-six horses belonging to the department, most of them in very good condition, but it will be necessary to purchase a few the coming year.

HARNESSES.

There are five sets of harnesses for three-horse hitches, thirteen for two-horses, and ten single harnesses, all in good order.

HOSE.

There are seventeen thousand feet of two and one half inch cotton rubber lined, most of it in good condition.

WATER SUPPLY.

The number of hydrants January 1, 1903, was seven hundred and sixty-nine (769); added during the year, nineteen (19), making a total of seven hundred and eighty-eight (788).

There are twenty-four reservoirs in good condition.

FIRE ALARM.

This branch of the department is in very good condition and has worked very satisfactory during the year. Owing to the lack of funds, we have not done much in

the way of underground wiring. I am in hopes to do more the coming year.

Four new private boxes have been added during the year and placed as follows: 143, A. L. Blackmer's Glass Cutting Factory; 145, Power Station of Union Street Railway on Middle street; 146, Car House of the Union Street Railway on Fish Island, and 971 at the new Manomet Mill.

We have one hundred (100) boxes, thirty-three (33) of which are private; twelve (12) bells and strikers; nine (9) fifteen inch engine house gongs; eight (8) seven inch engine gongs and ten (10) small tappers.

UNDERGROUND FIRE AND POLICE CABLES.

LAIID IN 1898 AND 1899.

1,117 feet	20 wire cable
1,088 feet	16 wire cable
515 feet	12 wire cable
1,316 feet	10 wire cable
2,358 feet	9 wire cable
2,163 feet	7 wire cable
833 feet	6 wire cable
3,357 feet	5 wire cable
832 feet	4 wire cable
835 feet	3 wire cable
1,762 feet	2 wire cable

16,177

LAIID IN 1900.

4,673 feet	6 wire cable
6,012 feet	2 wire cable
9,242 feet	3 wire cable

19,927

FIRE DEPARTMENT.

9

LAID IN 1902.

3,893 feet	6 wire cable
9,498 feet	3 wire cable
5,295 feet	2 wire cable
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18,686	

LAID IN 1903.

1,827 feet	2 wire cable
400 feet	4 wire cable
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2,227	
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Total,	57,017

PROTECTIVE DEPARTMENT.

There has been considerable work for this department during the year, having had many fires in dwelling houses where it has been necessary to cover furniture, saving many thousands of dollars, not only for the insurance offices, but individuals.

The members have been very prompt in responding to all alarms.

RECEIPTS AND EXPENDITURES.

General appropriation,	\$84,000.00	
Transfer from unappropriated funds,	2,000.00	
Receipts,	641.55	\$86,641.55
Expenses,	\$86,390.52	
Carried forward,	251.03	\$86,641.55

STATEMENT OF EXPENDITURES.

Salaries and pay rolls,	\$69,975.03
Shoeing and blacksmithing,	1,169.87
Hay and straw,	3,314.71
Grain,	1,916.99
Supplies,	1,314.93
Lights,	736.32
Wood and coal,	2,124.53
Rents,	144.00
Telephones,	480.63
Fire alarm supplies,	443.76
Engine and wagon repairs,	820.00
Repairs of buildings,	1,604.99
Horses,	829.00
Horse hire,	359.75
Printing and incidentals,	411.33
Harnesses and repairs,	393.39
House furnishings,	330.29
Hose,	21.00
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	\$86,390.52

CONCLUSION.

To His Honor the Mayor, and gentlemen of the City Council, for the interest taken in this department; to the Board of Engineers, for their hearty support, and to the officers and members of the Fire and Police Departments for the faithful manner in which they have performed all their duties, I return most sincere thanks.

FREDERICK MACY,

Chief of Fire Department.

ONWARD STEAM FIRE ENGINE COMPANY, No. 1.

House on Purchase street, foot of Franklin street. Engine built by LaFrance Engine Co., Elmira, N. Y.; capacity, 500 gallons per minute; weight of engine as drawn to fires, 6,950 pounds; put into service, Aug., 1896. Present company organized Dec. 30, 1871.

Date of Joining	No. of Badge	Name	Rank	Age	Residence	Occupation
April 24, 1903	10	James L. Haskins	Captain	38	536 Purchase st	Fireman
July 28, 1890	16	Charles H. Thomas	1st Lieut.	47	87 Locust st.	Roll coverer
July 30, 1894	13	Herbert C. Gifford	2nd Lieut.	31	75 Maxfield st.	City foreman
Jan. 28, 1873	7	Julian A. Sweet	Clerk	55	134 State st.	Roll coverer
May 7, 1883	11	Fred. W. Brightman	Hoseman	45	137 Kempton st	Paint manf.
Dec. 29, 1884	19	John Whitehead	"	59	565 Purchase st	Mill hand
July 31, 1893	18	John Wolfenden	"	41	71 Dean st.	Jeweler
Mar. 25, 1895	6	L. T. Woolfenden	"	30	809 County st.	Shoe dealer
Mar. 30, 1896	17	Thomas Walmsley	"	34	1 Ashland st.	Grocer
April 30, 1900	9	John F. Winn	"	28	24 High st.	Expressman
April 5, 1897	8	Edward L. Wilson	"	37	Mt. Pleas't lane	Painter
Feb. 26, 1900	15	George Palmer	"	36	12 Collins st.	Machinist
Nov. 25, 1901	12	Albert Woolfenden	Substitute	26	97 Maxfield st.	Glass cutter
July 28, 1902	14	William F. Thomas	"	37	14 Robeson st.	Roll coverer
June 9, 1894	20	John H. Backus	Engin'man	51	211 Rivet st.	Engineman
June 9, 1894	21	Edward F. A. Cowen	Driver	54	53 Merrimac st.	Driver
Dec. 1, 1894	23	William H. Young	"	41	542 Purchase st	"
Mar. 1, 1901	22	Joseph L. Crowley	Stoker	34	252 Chestnut st	Plumber

PROGRESS STEAM FIRE ENGINE COMPANY, No. 2.

House, corner Purchase street and Mechanics lane. Engine built by the Manchester Locomotive Works, Manchester, N. H. ; capacity 500 gallons per minute ; weight of engine as drawn to fires, 7,000 pounds ; put into commission, November 6, 1884. Company organized, October 27, 1860.

Date of Joining	No. of Badge	Name	Rank	Age	Residence	Occupation
Sept. 7, 1874	32	Charles F. Dean	Captain	47	59 Elm st.	Carriage painter
Jan. 12, 1892	30	George W. Haskins	Lieut.	34	527 Purchase st	Carpenter
June 4, 1900	27	Richard F. Burke	"	34	399 W. Middle st	Laborer
April 22, 1896	33	Charles P. Johnson	Clerk	45	27 Hillman st.	Mechanic
July 3, 1876	34	Moses Dean	Hoseman	49	202 Purchase st	Blacksmith
Nov. 1, 1862	25	John Downey	"	66	119 N. Second st	Teamster
July 1, 1896	35	Wm. L. Durfee	"	30	144 Mill st.	Driver
Feb. 3, 1892	29	Charles H. Lawrence	"	23	171 Kempton st	Salesman
April 1, 1901	24	Joseph S. Manning	"	23	213 Court st.	Clerk
Aug. 1, 1898	26	Alfred R. Morse, jr.	"	31	19 Mill st.	Undertaker's assistant
April 22, 1896	37	Chas. E. Robertson	"	28	238 Pleasant st.	Carpenter
Jan. 12, 1892	28	Henry A. Sherman	"	49	327 County st.	Blacksmith
Aug. 3, 1903	36	George H. Dunham	Substitute	25	276 Purchase st	Carpenter
Sept. 14, 1903	31	Wilfred L. Bacon	"	24	60 Spring st.	Plumber
Aug. 23, 1893	38	Benj. C. Groves	Engineer	47	Engine house	Engineer
Feb. 2, 1902	40	Oscar S. Hammond	Stoker	34	70 North st.	Carpenter
June 25, 1893	39	Charles W. Allen	Eng. driver	47	Engine house	Driver
June 28, 1899	42	Charles A. Haskins	wagon "	40	" "	"

CORNELIUS HOWLAND STEAM FIRE ENGINE COMPANY, No. 4.

House, corner Sixth and Bedford streets. Engine built by the Manchester Locomotive Works, Manchester, N. H. ; capacity, 500 gallons per minute ; weight of engine as drawn to fires, 7,000 pounds ; put into service May 20, 1884. Company organized Feb. 1, 1867.

Date of Joining	No. of Badge	Name	Rank	Age	Residence	Occupation
Aug. 29, 1871	44	Chas. S. Wing	Captain	49	279 Acush. ave	Permanent
Nov. 10, 1879	53	Benj. F. Hinckley	1st Lieut.	46	173 Fourth st.	Printer
Jan. 5, 1894	50	Henry LaRocque	2nd "	33	86 So. Sixth st	Machinist
May 28, 1894	45	Louis A. Vierick	Clerk	33	189 Fourth st.	Grinder
Feb. 16, 1888	49	Frank C. Jennings	Hoseman	37	19 Allen st.	Clerk
Dec. 30, 1895	51	John E. Joseph	"	34	97 So. Sixth st.	"
May 28, 1898	46	Walter F. Brownell	"	33	22 Allen st.	Hardener
Jan. 13, 1896	52	Arthur C. Smith	"	27	78 So. Sixth st.	Electrician
July 25, 1898	47	Fred L. Jason	"	25	62 Bedford st.	Carpenter
July 2, 1894	48	Harrie B. Jennings	"	29	358 Reed st.	Clerk
Nov. 28, 1898	43	Geo. A. Lowell	"	31	64 Forest st.	Trimmer
April 29, 1901	42	Chas. A. Baker	"	41	84 So Sixth st.	Hardener
April 29, 1901	55	Ed. L. Moriarty	Substitute	22	174 Fourth st.	Druggist
Oct. 26, 1903	54	Frank H. Vincent	"	26	212 Grinnell st.	Machinist
Aug. 29, 1878	56	Alonzo V. Jason	Engineer	48	111 S. Sev'nth st	Engineer
Jan. 29, 1864	57	Geo. H. W. Tripp	Driver	66	57 Bedford st	Driver
April 1, 1889	59	William C. Kennedy	"	38	144 Bedford st.	"
Mar. 25, 1889	58	Leander Reed	Stoker	54	3 Bay st.	Clerk

ZACHARIAH HILLMAN STEAM FIRE ENGINE COMPANY, No. 5.

House, corner County and Hillman streets. Engine built by LaFrance Steam Fire Engine Co., Elmira, N. Y.; capacity, 500 gallons per minute; weight of engine as drawn to fires, 7,300 pounds; put into service March 10, 1894. Company organized Dec. 13, 1873.

Date of Joining	No. of Badge	Name	Rank	Age	Residence	Occupation
Dec. 31, 1888	70	Thomas H. Forbes	Captain	42	130 Summer st.	Permanent fireman
Feb. 9, 1891	60	George E. Macomber	1st Lieut.	51	167 Mill st.	Merchant
July 31, 1899	64	Samuel E. Gabriel	2nd Lieut.	41	1 Willis court	Laundryman
Oct. 1, 1885	63	Joseph C. Forbes	Clerk	37	299 Chancery st	Clerk
Sept. 30, 1890	68	Thomas N. Meyers	Hoseman	41	48 Smith st.	Frame mak'r
Sept. 30, 1889	71	Obed S. Cowing	"	40	278 Mill st.	Carpet upholsterer
Feb. 1, 1893	61	Frank B. Chadwick	"	31	55 Pierce st.	Inspector
Jan. 26, 1893	69	John F. Gifford	"	48	226 Mill st.	Foreman
Dec. 31, 1894	66	Chas. H. Bowman	"	38	448 Acush. ave.	Teamster
April 29, 1895	72	Louis H. Almy	"	31	8 Keene st.	Printer
Dec. 28, 1891	73	Ernest L. Soule	"	41	15 Keene st.	Wood work'r
Oct. 31, 1903	65	Frank N. Cleveland	"	25	261 Cottage st.	Eyelet mak'r
April 27, 1896	67	Edward N. Bennett	Substitute	43	84 Willis st.	Clerk
April 25, 1899	62	Geo. H. Comstock, jr.	"	25	226 Kempton st	Engineer
Jan. 7, 1874	75	Benj. F. King, jr.	Eng. driver	65	Smith and Cottage sts.	Eng. driver
Dec. 13, 1873	74	Martin Blanchard, jr.	Engineer	59	39 Smith st.	Engineer
May 1, 1882	76	Charles W. Jones	Stoker	47	379 Cottage st.	Wood work'r
Jan. 28, 1883	77	Martin S. Nelson	Wagon driver	46	Engine house	Wagon driv'r

FREDERICK MACY STEAM FIRE ENGINE COMPANY, No. 6.

House, on Fourth street, head of Potomska street. Engine built by Manchester Locomotive Works, Manchester, N. H.; capacity, 500 gallons per minute; weight of engine as drawn to fires, 7,100 pounds; put into service November 1, 1882. Company organized October 31, 1882.

Date of Joining	No. of Badge	Name	Rank	Age	Residence	Occupation
Oct. 31, 1882	132	Jason L. Ballou	Captain	57	35 Crapo st.	Contractor
Jan. 13, 1898	133	Fred C. Edmondson	1st Lieut	31	32 Winsor st.	Machinist
Aug. 13, 1901	127	Robert E. Allen	2nd Lieut.	24	191 Wash'n st.	Electrician
Mar. 2, 1883	128	Joseph Jackson	Clerk	48	1 Bedford st.	Barber
Oct. 31, 1882	125	Marshall S. Greene	Hoseman	49	233 Rivet st.	Mason
Oct. 31, 1882	135	Fred. S. Nelson	"	36	43 Sherman st.	"
Nov. 16, 1886	130	Edward W. O'Neil	"	42	254 Fourth st.	Glass cutter
Jan. 1, 1895	124	George H. Whelan	"	31	9 Warwick st.	Solderer
June 30, 1891	123	John F. Rogers	"	35	97 Acush. ave.	Undertaker
June 26, 1894	126	James Rock, jr.	"	28	743 S. Water st.	Clerk
June 15, 1892	138	Michael Stapleton	"	42	168 Cove st.	Merchant
May 4, 1899	122	Wm. C. DeMello	"	40	65 Indepen't st.	Watchman
Aug. 13, 1901	131	Michael Quinn	Substitute	37	28 Stapleton st.	Clerk
Dec. 30, 1901	121	J. F. O'Brien	"	28	116 Rivet st.	Machinist
Oct. 31, 1897	137	J. J. Crowley	Engineer	47	105 Poto'ska st.	Engineer
May 1, 1898	142	J. J. Meaney	Stoker	34	25 Crapo st.	Carpenter
Oct. 31, 1882	134	Frank Greene	Driver	38	87 Acush. ave.	Driver
Oct. 31, 1882	136	N. H. Greene	Wagon driver	46	59 Bedford st.	"

STEAM FIRE ENGINE COMPANY, No. 7.

House, on Durfee street. Engine built by Manchester Locomotive Works, Manchester, N. H.; capacity, 500 gallons per minute; weight of engine as drawn to fires, 7,000 pounds; put into service Sept. 1, 1890. Company organized Sept. 1, 1890.

Date of Joining	No. of Badge	Name	Rank	Age	Residence	Occupation
Sept. 1, 1890	205	M. C. Dahill	Captain	44	28 Richmond st.	Fireman
" 1, 1890	204	E. H. Booth	Lieut.	53	1 Vine st.	Machinist
" 1, 1890	206	John H. Ryan	"	45	563 Cottage st.	Plumber
Jan. 3, 1893	195	John N. O'Brien	Clerk	41	103 Robeson st.	Merchant
Sept. 1, 1890	207	C. A. Galligan	Hoseman	37	County st.	"
" 1, 1890	209	J. D. Manseau	"	38	80 Durfee st.	Salesman
Nov. 11, 1890	203	C. L. Dunham	"	37	131 Merrim'c st.	Plumber
Sept. 1, 1890	211	Geo. A. Bosworth	"	40	20 Richmond st.	Contractor
" 1, 1890	210	J. M. Whittaker	"	38	242 Cedar st.	Driver
Dec. 11, 1894	196	Wm. Simister	"	37	91 Robeson st.	Grocer
June 11, 1894	212	Thos. C. Lowe	"	57	Shawmut ave.	Plumber
Mar. 2, 1906	197	A. F. Merchant	"	28	" "	Glass cutter
" 2, 1906	198	Henry Leeming	Substitute	33	1 Durfee st.	Engineer
July 2, 1901	208	John Andrews	"	34	4 " "	Carpenter
Sept. 1, 1890	200	J. R. Goddard	Engineer	46	697 Cottage st.	Engineer
" 1, 1890	201	Wm. H. H. S. King	Eng. driver	39	Ashland st.	Driver
" 1, 1890	202	E. H. Coggeshall	Wagon driver	33	Collins st.	"
" 1, 1890	199	Andrew Tripp	Stoker	51	45 Durfee st.	Shoemaker

STEAM FIRE ENGINE COMPANY, No. 8.

House, Acushnet avenue and Davis street. Engine built by La France Steam Fire Engine Co., Elmira, N. Y.; capacity, 500 gallons per minute; put into service December 1, 1894. Company organized December 1, 1894.

Date of Joining	No. of Badge	Name	Rank	Age	Residence	Occupation
April 16, 1894	238	Geo. Cook	Captain	41	1604 Acush. av.	Fireman
Dec. 21, 1896	252	John Hilton	1st Lieut.	40	1289 " "	Mill hand
Jan. 1, 1894	246	Robt. McWhinnie	2nd Lieut.	42	61 Church st.	"
" 1, 1894	244	Michael McDonald	Hoseman	36	334 Cedar st.	Merchant
" 1, 1894	245	Thos. S. Riley	Clerk	35	527 Cottage st.	Agent
" 1, 1894	251	Dan Considine	Hoseman	39	204 Davis st.	Merchant
" 1, 1894	248	Nicholas Whalon	"	37	10 Robeson st.	"
" 1, 1894	241	James Slater	"	52	444 Cottage st.	"
" 1, 1894	247	Ed. L. Hughes	"	33	192 Philips ave.	Laborer
May 1, 1896	243	John H. Finnell	"	36	1642 Acush. av.	Clerk
" 1, 1896	254	John S. Francis	"	33	190 Coffin ave.	Mill hand
" 28, 1897	253	Wm. McCann	"	43	200 N. Front st.	Merchant
Jan. 7, 1892	249	Tim O'Brien	Substitute	39	230 Davis st.	"
" 5, 1903	242	Fred L. Dunham	"	38	82 Dean st.	Burnisher
Dec. 1, 1894	250	Antonio M. Lemos	Driver	39	187 Davis st.	Driver
" 1, 1894	237	Wm. R. Moore	Engineer	40	1737 Acush. av.	Engineer
May 5, 1901	239	Horace S. Bennett	Driver	34	191 Davis st.	Driver
Dec. 1, 1894	240	John Watkinson	Stoker	38	441 Pleasant st.	Stoker

HANCOCK ENGINE COMPANY, No. 9.

House, located at Acushnet. Engine built by John Agnew of Philadelphia in 1843. Engine removed to Acushnet January 18, 1861, and a Company was organized to man her at that time. Company reorganized December 14, 1878.

Date of Joining	No. of Badge	Name	Rank	Age	Residence	Occupation
Nov. 28, 1865	147	Francis P. Washburn	Captain	60	Acushnet ave.	Carpenter
Dec. 14, 1878	160	Herbert M. Spooner	1st Lieut.	45	River st.	Box maker
Sept. 3, 1883	151	John G. Whalon	2nd Lieut.	41	Acushnet ave.	Grocer
Feb. 28, 1870	146	John A. Russell	Clerk	53	" "	Farmer
Dec. 4, 1882	164	George W. Hawes	Suct'n hose	50	" "	Teamer
Feb. 4, 1889	161	William P. Reed	" "	52	Hawes lane	"
May 3, 1886	155	George H. Gifford	Lead'g "	32	Acushnet ave.	Carpenter
Aug. 26, 1895	150	Allen G. Briggs	" "	38	" "	Blacksmith
May 31, 1892	157	Walter H. Darling	" "	38	" "	Boxmaker
Dec. 14, 1878	152	James A. Wilbur	Brakeman	58	Mill road	Laborer
Dec. 22, 1897	166	Frank L. Reed	"	28	Perry street	Carpenter
Dec. 6, 1886	145	John F. Parker	Steward	34	Main street	Painter
May 30, 1870	148	Andr'w B. Grinnell jr.	Brakeman	64	Acushnet ave.	Clerk
Dec. 14, 1878	165	Allen Russell, jr.	"	46	" "	Farmer
Sept. 25, 1893	162	Frederick W. Bowles	"	38	" "	Sawyer
Sept. 16, 1895	154	Edwin F. Davis	"	37	Tarkiln hill rd.	Laborer
Sept. 24, 1900	159	Frank E. Washburn	Le'd'g hose	26	Acushnet ave.	Carpenter
Dec. 31, 1900	163	Floyd E. Darling	Brakeman	23	" "	Grocer
May 26, 1902	156	James H. Griffin	"	22	Mill road	Box maker
May 26, 1902	153	Willard B. Bennett	"	45	Acushnet ave.	Blacksmith
May 4, 1903	149	William Wolstenholm	"	45	Tarkiln hill rd.	Laborer
Oct. 28, 1901	158	Avery O. Parker	"	31	" "	Carpenter
Nov. 25, 1901		Walter H. Hawes	Substitute	22	Acushnet ave.	Glass blower
Dec. 28, 1903		Harry C. Hawes	"	20	" "	" "

HOOK AND LADDER COMPANY, No. 1.

House, corner Purchase street and Mechanics lane. Carriage built by LaFrance Steam Fire Engine Co., Elmira, N. Y. ; put into commission April 29, 1895.

Date of Joining	No. of Badge	Name	Rank	Age	Residence	Occupation
June 24, 1883	105	Edward D. Francis	Captain	48	86 Kempton st.	Shoemaker
Feb. 1, 1897	89	David A. Cobb	1st Lieut.	35	West Elm st.	Painter
Jan. 1, 1895	98	Edward C. Negus, jr.	2nd Lieut.	31	72 Walden st.	Clerk
Mar. 27, 1899	100	William C. Coon	Clerk	38	69 Foster st.	Painter
Jan. 31, 1870	87	Lysander W. Davis	Ladderm'n	68	106 Chestnut st	Carpenter
April 26, 1896	88	Harry F. Chase	Axman	31	281 Kempton st	Teamster
Nov. 29, 1886	103	Alfred M. Gifford	"	39	148 Maxfield st.	"
Aug. 25, 1865	102	Charles J. Johnson	Ladderm'n	71	544 Cottage st.	Sparmaker
Jan. 1, 1900	107	Edward F. McGrath	"	44	15 Spruce st.	Shoemaker
Jan. 5, 1884	101	Frank Spooner	"	48	West North st.	Painter
Aug. 7, 1863	86	Philip M. Tripp	"	65	173 Arnold st. room 9	Teamster
April 26, 1897	106	William F. Wilcox	"	48	Bancroft house	Hostler
Feb. 1, 1900	91	George A. Babcock	Substitute	31	66 Mechanic st.	Teamster
May 25, 1903	104	Frederick R. Symonds	"	33	480 Acush. ave.	Glass cutter
Feb 13, 1895	97	Isaac R. Allen	Driver	44	120 High st.	Hostler
Sept. 11, 1900	40	Frederick E. Ricketson	Tillerman	28	139 Purchase st	Tillerman

HOOK AND LADDER COMPANY, No. 2.

House, on Weld street. Carriage built by LaFrance Steam Fire Engine Co., Elmira, N. Y.; put into commission August 30, 1888. Present Company organized September, 1888.

Date of Joining	No. of Badge	Name	Rank	Age	Residence	Occupation
Sept. 1, 1888	175	Martin H. Sullivan	Captain	45	78 North st.	Contractor
" 8, 1893	176	Edward M. Murphy	1st Lieut.	38	31 Richmond st	Clerk
" 1, 1892	174	Charles H. McCarty	2nd Lieut.	32	Clark & State	Driver
" 1, 1888	180	Peter F. Sullivan	Clerk	43	328 Cedar sts.	Clerk
" 1, 1888	177	John S. Harrington	Ladderm'n	44	Weld & Pleas't	Grocer
" 1, 1888	178	David Warren	"	46	252 State st.	Stable keeper
May 1, 1890	184	Frank R. Pease	"	45	923 Acush. ave.	Druggist
Mar. 1, 1892	173	Wm. Sellecks	"	34	136 N. Front st	Clerk
Dec. 18, 1894	181	John T. Conway	"	28	47 Durfee st.	Copper Co.
June 1, 1897	179	Michael J. Sullivan	"	44	190 Merrim'c st	Carpenter
Oct. 1, 1895	183	John E. Murphy	"	32	209 Cedar Gr'Ve	Clerk
May 1, 1896	172	James H. Mahoney	"	27	Clark & Mt. Pleasant sts.	Plumber
Sept. 1, 1898	182	Mark E. Sullivan	Substitute	29	Cottage and Merrimac sts.	Contractor
Dec. 13, 1898	171	John H. Galligan	"	34	62 Durfee st.	Clerk
Dec. 9, 1894	108	George H. Nickerson	Driver	35	284 Weld st.	Driver
Sept. 15, 1895	215	Jeremiah T. Haggerty	Tillerman	34	219 Bowditch st	Tillerman

HOOK AND LADDER COMPANY, No. 3.

House, on Fourth street, head of Potomska. Carriage built by LaFrance Steam Fire Engine Co., Elmira, N. Y. ; put into commission November 1, 1891. Company organized November 1, 1891.

Date of Joining	No. of Badge	Name	Rank	Age	Residence	Occupation
May 1, 1899	220	John W. Donaghy	Captain	38	Fourth st. engine house	Captain
Nov. 1, 1891	218	John O'Neill	Lieut.	40	276 Fourth st.	Glass cutter
June 5, 1899	229	Owen J. Dowd	"	36	704 First st.	Barber
Aug. 2, 1897	226	Edward M. Slocum	Clerk	32	18 Sherman st.	Draught'm'n
Nov. 1, 1891	219	Dan'l E. Nelson	Ladderm'n	40	97 Grinnell st.	Mason
" 1, 1891	222	Henry R. Lindsey	"	42	211 County st.	Carpenter
" 1, 1891	221	Henry E. Chase	"	40	177 Grinnell st.	Merchant
Feb. 2, 1892	225	S. J. Cassidy, jr.	"	39	25 Welcome st.	Painter
Jan. 7, 1895	217	Nelson L. Pike	"	40	Rural cemete'y	Sexton
July 8, 1897	228	Frank X. Lavoie	"	45	29 Rockland st.	Painter
April 5, 1897	227	Wm. H. Greene	"	27	233 Rivet st.	Driver
Feb. 7, 1898	223	Henry M. Whelon	"	27	216 County st.	Mason
Oct. 1, 1900	224	Geo. Savoie	Substitute	33	39 Indepen't st.	Painter
" 1, 1902	233	Frank T. Cooke	"	29	Fourth st.	Baker
Dec. 10, 1901	232	Chas. E. Greene	Driver	30	Fourth st. engine house	Driver
April 1, 1897	231	Geo. H. Baylies	Tillerman	32	Fourth st. engine house	Tillerman

CHEMICAL ENGINE COMPANY, No. 1.

House, corner Purchase street and Mechanics lane. Wagon built by Charles F. Halloway, Baltimore, Md. ; put into commission July 1, 1895. Company organized December 31, 1871.

Date of Joining	No. of Badge	Name	Rank	Age	Residence	Occupation
May 19, 1896	80	David W. Howland	Captain	67	219 Kempton st	Blacksmith
" 19, 1896	81	John B. Oliver	Clerk	39	297 Cottage st.	"
" 19, 1896	83	John P. Thompson	Hoseman	42	168 Middle st.	Painter
" 19, 1896	82	Chas. E. Thomas	"	50	286 Kempton st	Carpenter
" 19, 1896	84	Fred. E. Mosher	Hostler	42	84 School st.	Hostler

HOSE COMPANY, No. 2.

House, corner Weld and Bowditch streets. Wagon built by Brownell, Ashley & Co., New Bedford ; put into commission December 1, 1888. Company organized December 3, 1888.

Date of Joining	No. of Badge	Name	Rank	Age	Residence	Occupation
Dec. 3, 1888	17	Reuben Taber	Captain	47	Engine house	Perma't man
" 3, 1888	186	Stephen L. Finnell	1st Lieut.	44	17 Reynold st.	Salesman
" 3, 1888	187	Bart P. Fury	2nd Lieut.	41	117 Pleasant st.	"
Nov. 3, 1897	192	Michael E. Daley	Clerk	35	141 Davis st.	Carpenter
Aug. 1, 1893	189	John H. Watson	Hoseman	46	32 Ashland st.	Merchant
April 2, 1895	190	William J. Moore	"	28	40 Weld st.	Teamer
Sept. 1, 1901	197	Hyman Mechaber	"	29	83 Kenyon st.	Merchant
May 5, 1902	188	James E. McCarty	Substitute	27	Clark st.	Clerk
Dec. 12, 1903	191	Arthur R. McDonald	Driver	32	Engine house	Driver

NEW BEDFORD PROTECTING SOCIETY.

President, Charles S. Kelley; 1st, Director, William A. Robinson; 2nd Director, Charles H. Lawton; 3rd Director, Edward T. Pierce; 4th Director, Charles M. Haskell; 5th Director, Edmund F. Maxfield; 6th Director, Edmund Wood; 7th Director, John H. Lowe; 8th Director, Alfred Thornton; Secretary and Treasurer, Edmond L. Wilde.

Thos. B. Akin
George H. H. Allen
James H. Bamford
William Bamford
Lewis E. Bently
George W. Bennett
Simpson J. Blossom
F. A. Bonneau
Joseph Zoël Boucher
Standish Bourne
Henry P. Burt
I. H. Coe, Jr.
R. C. P. Coggeshall
Henry C. Denison
Ernest A. Dunham
Joseph Dias
John Eldridge, Jr.
James P. Francis
Edward R. Gardner
Frank H. Gifford
Charles H. Gifford
Thos. J. Gifford
Frederick C. Graves
A. W. Hadley
Fred V. Hadley
Edgar B. Hammond
Henry F. Hammond
Henry Howard, Jr.
John J. Howland
James F. Hoye
H. S. Hutchinson
Jas. L. Humphrey, Jr.

Charlrs S. Kelley, Jr.
Thomas H. Knowles
G. D. Kingman
Edgar R. Lewis
Philander F. Manchester
Frederick B. Macy
J. Roland Macy
George I. Macy
Willard Nye, Jr.
Samuel H. Perry
Edward F. Penney
William H. Pitman
Charles L. Paine
David L. Parker
Stephen D. Pierce
Morgan Rotch
Arthur E. Robbins
Louis H. Richardson
Gardner T. Sanford
Alex. T. Smith
Robert Snow
Daniel J. Sullivan
Frederic Taber
William T. Taylor
F. E. Thilo
Alfred G. Wilbor
Albert F. Wilde
Horace Wood
Frederic A. Washburn
Thomas F. Wood
William R. West
Mark T. Vincent

Corrected to January 1, 1904.

EDMOND L. WILDE,
Secretary.

Fire Alarms, Losses, and Insurance for 1903.

The losses by fire for the year ending Dec. 31, 1903 was on buildings, \$8,358.88. Insurance on buildings, \$121,500. On contents, \$4,978.06. Insurance on contents, \$47,265. Total loss, \$13,336.94. Total insurance, \$168,765. Number of bell alarms, 97. Number of still and telephone alarms, 140. Total 237.

Jan. 1, 7.35 P. M. Box 48, fire in house 617 So. Water st., owned by Frank Ponte and occupied by Jessie Rogers. Cause, lighted candles on altar. Responded to by Engines 4 and 6, Ladder 3, Chemical 1. No loss.

Jan. 2, 1.40 P. M. (Still.) Fire in house 339 Acushnet ave., owned by Dr. Ricketson and unoccupied. Cause, stove pipe hole open. Responded to by Chemical 1. No loss.

Jan. 3, 7.30 P. M. False alarm from factory, Reynolds st., owned and occupied by Cornell Stocking Co. Responded to by men from station 7. No loss.

Jan. 5, 3 P. M. Still fire in house 60 Merrimack st., owned by Miss Emma Hall and occupied by Mrs. Nora Mahoney. Cause, stove set fire to wood work. Responded to by men from Station 1. No loss.

Jan. 7, 9.50 A. M. Box 48. Fire in house 32 South st. Owned and occupied by Manuel Viera. Cause, pan of grease on stove caught fire. Responded to by Engines 4 and 6, Ladder 3, Chemical 1. No loss.

Jan. 7, 5.30 P. M. (Still.) Chimney fire, house 103 No. Front st., owned by Wamsutta Mills and occupied by Mr. Bassett. Responded to by men from Weld st. Station. No loss.

Jan. 8, 6.20 A. M. (Still.) Fire in house 65 Washburn st., owned by P. O'Leary and occupied by Mr. Quirk. Cause, pipe set fire to lounge. Responded to by men from Weld st. Station. No loss.

Jan. 11, 12 M. (Still.) Chimney fire in house 101 Spring st., owned and occupied by Mrs. C. P. Rugg. Responded to by Chemical 1, Ladder 1. No loss.

Jan. 13, 3¹ P. M. (Still.) Chimney fire, house 22 Richmond st., owned by Geo. A. Bosworth and occupied by Silas Rooney. Responded to by men from station 7. No loss.

Jan. 13, 4.38 P. M. Box 58. Fire in house 1075 So. Water st., owned by Chas. Chartier and occupied by Wm. Hood. Cause, set by children. Responded to by Engines 4 and 6, Ladder 3, Chemical 1. Loss on contents \$14.22. Insurance \$1,000.

Jan. 14, 4.55 P. M. Box 24. Fire in Barber shop 326 Kempton st., owned by Anthony & Guinn and occupied by Chas. H. Smith. Cause, lamp exploded. Responded to by Engines 5 and 7, Ladder 1, Chemical 1. No loss.

Jan. 16, 4.55 P. M. Box 46. Fire in tenement 428 So. Water st., owned by Manuel J. Sylvia and occupied by Pedro Dirigo. Cause, cleaning hot stove with rag. Responded to by Engines 4 and 6, Ladder 3, Chemical 1. No loss.

Jan. 17, 5.15 P. M. (Still.) Fire in house 41 Merrimac st., owned by Wamsutta Mills and occupied by D. Bonneau. Cause, children and matches. Responded to by men from Station 1. No loss.

Jan. 17, 7.55 A. M. (Still.) Chimney fire, house County st. cor. Grinnell st., owned and occupied by Mrs. Anna G. Wood. Responded to by men from Station 4. No loss.

Jan. 17, 1.40 P. M. (Still.) Chimney fire, house 723 So. Water st., owned by E. Horwitz and occupied by Frank Enos. Responded to by men from Station 6. No loss.

Jan. 19, 7.35 A. M. Box 9. Chimney fire, house on Turner's Court, owned by L. E. Milliken and occupied by J. Sylvia. Responded to by Engines 1 and 8, Ladder 2, Hose 2, Chemical 1. Loss on building \$58. Insurance \$1000.

Jan. 19, 11.40 A. M. (Still.) Fire in house 246 Davis st., owned and occupied by Geo. Seddon. Cause, overheated stove. Responded to by men from Station 8. No loss.

Jan. 20, 8 P. M. (Still.) Fire in house 92 State st., owned and occupied by Chas. S. Ashley. Cause, back draft from stove. Responded to by men from Station 1. No loss.

Jan. 23, 6 P. M. (Still.) Chimney fire, bakery 841 Purchase st., owned and occupied by M. E. Sullivan. Responded to by men from Weld st. Station. No loss.

Jan. 24, 9.33 P. M. Box 27. Chimney fire, market 64 Purchase st., owned by E. B. Sherman. Responded to by Engines 2 and 4, Ladder 1, Chemical 1. No loss.

Jan. 30, 2.10 A. M. Box 125. Fire in barn 850 Acushnet ave., owned by Jos. C. Cloutier and occupied by Frank Boucher. Cause, spark in hay. Responded to by Engines 1 and 8, Ladder 2, Hose 2, Chemical 1. Loss on contents \$18. Insurance \$350.

Jan. 30, 4.10 P. M. (Still.) Chimney fire, house 181 North st., owned by F. Wm. Oesting and occupied by Eugene Godfrey. Responded to by men from Station 5. No loss.

Feb. 1, 1 P. M. (Still.) Fire in shed on Bowditch st., owned by Union St. Railway and occupied by John Duff. Cause, unknown. Responded to by men from Weld st. Station. Loss on building \$17.44. Insurance \$2,000.

Feb. 3, 5.30 P. M. (Still.) Chimney fire, house 186 Elm st., owned by Robert Mitchell and occupied by Amos Horton. Responded to by Chemical 1. No loss.

Feb. 4, 1.35 P. M. Box 59. Fire in house 110 Fruit st., owned and occupied by Thos. Quinn. Cause, probably set by children. Responded to by Engines 4 and 6, Ladder 3, Chemical 1. No loss.

Feb. 5, 3 P. M. Box 25. Fire in house 86 Mill st., owned and occupied by John Corish. Cause, children and matches. Responded to by Engines 2 and 5, Ladder 1, Chemical 1. Loss on building \$16.25. Insurance \$3,000. Loss on contents \$220.05. Insurance \$1,000.

Feb. 5, 6.15 P. M. (Still.) Chimney fire, blacksmith shop 252 Purchase st., owned by Joseph Linton and occupied by Jos. Linton. Responded to by Chemical 1. No loss.

Feb. 6, 4 P. M. (Still.) Grass fire, east side Purchase st., owned by City of New Bedford. Cause, set by boys. Responded to by men from Weld st. Station. No loss.

Feb. 8, 9 A. M. (Still.) Fire in house 20 Madison st., owned by Mrs. Capt. Parker and occupied by L. E. Mosher. Cause, overheated furnace pipe. Responded to by Chemical 1. No loss.

Feb. 9, 5.30 P. M. (Still.) Chimney fire in house corner Maxfield and Thomas sts. Occupied by Robert Terry. Responded to by men from Station 5. No loss.

Feb. 13, 7.20 P. M. (Still.) Fire in stocking factory, Myrtle st., owned and occupied by Cornell Stocking Co. Cause, overheated dryer. Responded to by men from Station 7. No loss.

Feb. 13, 9.58 P. M. (Still.) Chimney fire, house 46 Hill st., owned by Wm. Weeks and occupied by Herbert C. Pratt. Responded to by men from Station 5. No loss.

Feb. 18, 3.13 P. M. Box 51. Fire in house 48 Oak st., owned and occupied by Carsima Rocha. Cause, set by children. Responded to by Engines 4 and 6, Ladder 3, Chemical 1. Loss on building \$280. Insurance \$1,000. Loss on contents \$100. No insurance.

Feb. 19, 10 A. M. (Still.) Chimney fire, 10 Orchard st., owned and occupied by John W. Knowles. Responded to by men from Station 4. No loss.

Feb. 22, 2.10 P. M. Box 58. Fire in boxes on Cove st., near McGuirk st. Set by boys. Responded to by Engines 4 and 6, Ladder 3, Chemical 1. No loss.

Feb. 25, 5.50 P. M. Box 135. Fire in store 248 Coggeshall st., owned by Mrs. E. Wischmetzka and occupied by Michael Wischmetzka. Cause, gas jet. Companies responding, Engines 1 and 8, Ladder 2, Hose 2, Chemical 1. Loss on building \$94.75. Insurance \$5,500.

Feb. 26, 1.40 P. M. Box 26. Fire in storehouse foot Middle st., owned and occupied by Anthony Swift & Co. Cause, overheated furnace. Companies responding, Engines 1, 2 and 5, Ladder 1, Chemical 1. No loss.

Feb. 27, 9.45 P. M. (Still.) Chimney fire, house 44 Sycamore st., owned by James Harding and occupied by John Miller. Responded to by men from Station 5. No loss.

March 1, 8.30 P. M. (Still.) Chimney fire, house 162 No. Ash st., owned and occupied by Samuel J. Donaghy. Responded to by men from Station 5. No loss.

March 2, 6.30 P. M. (Still.) Chimney fire, house 470 So. Water st., owned by Herbert J. Brownell and occupied by Antone Jacmthe. Responded to by men from Station 6. No loss.

March 2, 8.50 A. M. (Still.) Chimney fire, house 262 So. Orchard st., owned by Mrs. Lucy S. Palmer and occupied by Mrs. Amelia Freitas. Responded to by men from Station 4. No loss.

March 3, 9.15 A. M. Box 25. Fire in house 190 Kempton st., owned by Walter A. Jenney, and occupied by Mrs. Dwight and J. G. Genison. Cause, wood in oven. Responded to by Engines 2 and 5, Ladder 1, Chemical 1. Loss on building, \$185. Insurance, \$1200.

March 3, 9.12 A. M. (Still). Same fire. Responded to by Chemical 1.

March 3, 5.30 P. M. Box 58. Fire in house 1,031 So. Water st. Owned by Henry Nimker, and occupied by Edw. Boucher. Cause, burning rags. Responded to by Engines 4 and 6, Ladder 3, Chemical 1. No loss.

March 4, 8.55 A. M. (Still). Chimney fire, house 208 Smith st. Owned and occupied by Mrs. Wm. H. Johnson. Responded to by Chemical 1. No loss.

March 13, 12.50 A. M. (Still). Fire in house 29 So. Water st., owned by Michael Riley, and occupied by John Corrigan and Francis Liguin. Cause, incendiary. Responded to by Chemical 1. No loss.

March 13, 11.30 P. M. (Still). Fire in house 29 So. Water st., owned by Michael Riley, and occupied by John Corrigan and Francis Liguin. Cause, incendiary. Responded to by Chemical 1. No loss.

March 15, 11.35 A. M. (Still). Chimney fire, house 121 No. Ash st., owned and occupied by Geo. Gifford. Responded to by men from Station 5. No loss.

March 16, 7.19 A. M. Box 73. Alarm from Potomska mills. Accidental. Responded to by Engines 2, 4, 5 and 6, Ladder 1 and 3, Chemical 1. No loss.

March 16, 10.23 A. M. (Still). Fire in house 30 Dartmouth st., owned and occupied by Mrs. A. B. Bradford. Cause, soot in stove pipe. Responded to by men from Station 4. No loss.

March 17, 8.55 P. M. Box 135. Fire in house cor. Coggeshall st. and Belleville ave., owned by Abraham Cook, Est., and occupied by Mary J. Oviara and others. Cause, child set bed afire. Responded to by Engines 1 and 8, Ladder 2, Hose 2, Chemical 1. No loss.

March 19, 9.20 P. M. Box 59. False alarm. Responded to by Engines 4 and 6, Ladder 3, Chemical 1. No loss.

March 20, 8.55 A. M. Box 128. Fire in house 56 Clark st., owned and occupied by N. Gregory. Cause, Boy and matches. Responded to by Engines 1 and 7, Ladder 2, Hose 2, Chemical 1. No loss.

March 23, 7.45 A. M. (Still). Fire in house 8 Fifth st., owned by Mrs. O. S. Martin, and occupied by O. D. Rice. Cause, oil heater. Responded to by Chemical 1. No loss.

March 27, 2 15 A. M. Box 64. Fire in store house cor. North and Second sts., owned by N. E. Cotton Yarn Co. Cause, unknown. Responded to by Engines 1, 2, 5 and 7, Ladder 1 and 2, Hose 2, Chemical 1. No loss.

March 27, 5.45 A. M. (Still). Fire in car foot of School st., owned by N. Y., N. H. & H. Railroad. Cause, oil stove. Responded to by Chemical 1. No loss.

March 27, 6.20 A. M. (Still). Fire in car foot of School st., owned by N. Y., N. H. & H. Railroad. Cause, oil stove. Responded to by men from Station 6. No loss.

March 27, 8.30 P. M. (Still). Fire in house 829 Acushnet ave., owned by Grinnell Mfg. Co., and occupied by Jos. Marlow. Cause, lamp exploded. Responded to by men from Weld St. Station. Loss on contents, \$66.25. Insurance, \$500.

March 30, 8 P. M. Box 9. Fire in house 692 Acushnet ave., owned by C. C. Tilton, and occupied by Mrs. Moses Cushnor. Cause, lamp dropped. Responded to by Engines 1 and 8, Ladder 2, Hose 2, Chemical 1. No loss.

April 3, 8.45 a. m. Box 34. Fire in house 39 Union st., owned by Mrs. Hough, and occupied by Florence Garcia. Cause, unknown. Responded to by Engines 2 and 4, Ladder 1, Chemical 1. Loss on building, \$39.54. Insurance, \$3,000.

April 5, 5.20 P. M. Box 224. Fire in house 221 Palmer st., owned by Wm. Oesting, and occupied by Mrs. Carrie Gilman. Cause, sparks from chimney. Responded to by Engines 5 and 7, Ladder 1, Chemical 1. No loss.

April 7, 5.22 P. M. Box 584. False alarm. Responded to by Engines 4 and 6, Ladder 3, Chemical 1. No loss.

April 7, 5.46 P. M. Box 36. Fire in oil factory corner Water and Walnut sts., owned and occupied by Wm. A. Robinson. Cause unknown. Responded to by Engines 2 and 4, Ladder 1, Chemical 1. Loss on building, \$723. Insurance, \$20,000. Loss on contents, \$949.98. Insurance, \$10,000.

April 7, 5.52 P. M. Box 36. Second alarm, same fire. Responded to by Engines 5 and 6, and Ladder 3.

April 9, 7.10 P. M. Box 59. Chimney fire, house 129 Hemlock st., owned and occupied by John Bowen. Responded to by Engines 4 and 6, Ladder 3, Chemical 1. No loss.

April 10, 1.45 A. M. (Still). Fire in house 282 Acushnet ave., owned by Dennis Est., and occupied by Hugh Lewis. Cause, spark on bed. Responded to by Chemical 1. No loss.

April 11, 7.33 P. M. Box 56. Fire in house 472 So. Second st., owned by J. B. Smith, and occupied by Condida Cunha. Cause, defective chimney. Responded to by Engines 4 and 6, Ladder 3, Chemical 1. Loss on building, \$20. Insurance, \$2,000.

April 11, 11.40 A. M. (Still). Fire in house 915 Acushnet ave., owned by Cook & Smith, and occupied by Mr. Hamel. Cause, naptha. Responded to by men from Weld St. Station. No loss.

April 16, 5.40 P. M. Box 27. Fire in house 38 No. Sixth st. owned by Mrs. O. R. Whitcomb. Unoccupied. Cause, incendiary. Responded to by Engines 2 and 4, Ladder 1, Chemical 1. No loss.

April 16, 9.35 P. M. (Still). Fire in brooder house, Hatch st., owned by Frederick Akin. Cause, lamp in brooder. Responded to by men from Station 8. No loss.

April 21, 10.30 P. M. Box 57. False alarm. Responded to by Engines 4 and 6, Ladder 3, Chemical 1.

April 21, 10.58 A. M. (Still). Chimney fire, house 143 Cottage st., owned and occupied by Wm. H. Knowles. Responded to by men from Station 5. No loss.

April 23, 12 m. (Still). Grass fire, Bolton road and Rivet st. Set by boys. Responded to by men from Station 6. No loss.

April 24, 10.19 A. M. Box 3. Fire in house 2,056 Acushnet ave., owned by Mary J. Halman, and occupied by Reuben W. Taber. Cause, spark from chimney. Responded to by Engines 8 and 9, Ladder 2, Hose 2, Chemical 1. Loss on building, \$130. Insurance, \$2,000.

April 26, 3.35 P. M. Box 4. Brush fire near Nash road. Responded to by Engines 5 and 7, Ladder 2, Hose 2, Chemical 1. No loss.

April 27, 11.55 A. M. Box 9. Fire in paint mill, Wall st., owned and occupied by Geo. Kirby & Co. Cause, spark from locomotive.

Responded to by Engines 1 and 8, Ladder 2, Hose 2, Chemical 1. Loss on building, \$156. Insurance, \$7,775. Loss on contents, \$144. Insurance, \$14,525.

April 28, 4.05 P. M. (Still). Fire in house 23 No. Second st., owned by Homer Bros., and occupied by Mrs. M. A. Wood. Cause, spark on roof. Responded to by Chemical 1. No loss.

April 29, 5.25 P. M. Box 4. Brush fire, Mt. Pleasant st., near Reservoir. Cause, unknown. Responded to by Engines 5 and 7, Ladder 2, Hose 2, Chemical 1. No loss.

April 29, 11.45 A. M. (Still). Fire in house rear 206 Acushnet ave., owned by Isaac Howitz, and occupied by Edward Roe. Cause, unknown. Responded to by men from Station 4. No loss.

April 30, 10.30 A. M. (Still). Fire in house 23 No. Second st., owned by Homer Bros., and occupied by Mrs. M. A. Wood. Cause, spark from chimney. Responded to by Chemical 1. No loss.

May 2, 1.30 P. M. (Still). Brush fire, north side Adams st. Set by boys. Responded to by men from Station 7. No loss.

May 2, 6.55 P. M. (Still). Chimney fire, house cor. Division and First sts., owned by Mary Sylvia, and occupied by Bessett Cordare. Responded to by Chemical 1. No loss.

May 3, 2.30 P. M. Box 3. Brush fire, west side Acushnet ave., near Lunds corner. Responded to by Engine 9. No loss.

May 4, 9.10 A. M. (Still). Chimney fire, house cor. Orchard and Hawthorn sts., owned and occupied by Miss Julia Delano. Responded to by men from Station 4. No loss.

May 4, 11.15 A. M. (Still). Chimney fire, 111 Campbell st., owned and occupied by Ferdinand A. Read. Responded to by men from Station 5. No loss.

May 5, 1.45 P. M. Box 14. Fire in car, N. Y., N. H. & H. Railroad, foot Campbell st. Cause, unknown. Responded to by Engines 1 and 5, Ladder 1, Chemical 1. No loss.

May 5, 4.20 P. M. (Still.) Brush fire, Bolton Road and Rivet st. Responded to by men from Station 6. No loss.

May 7, 2.10 P. M. (Still.) Fire in dump, Scott st., near Crapo st. Responded to by men from Station 6. No loss.

May 8, 5.50 P. M. (Still.) Storehouse south side Parker st., owned and occupied by Welsbach Lighting Co. Cause, matches on floor. Responded to by men from Station 7. No loss.

May 9, 3.03 P. M. Box 42. Fire in house Clover st., south of Allen st., owned by Stephen N. Sylvia and unoccupied. Cause, match on roof. Responded to by Engines 4 and 6, Ladder 3, Chemical 1. Loss on building \$20. Insurance \$1200.

May 12, 1.15 P. M. (Still.) Fire in dump, Butler Mill. Responded to by men from Station 6. No loss.

May 12, 5.50 P. M. (Still.) Fire in house rear 438 south Second st., owned by Potomska Mills and occupied by Ed. LeBeau. Cause, incendiary. Responded to by men from Station 6. Loss on contents, \$75. Insurance \$500.

May 13, 8.15 A. M. (Still.) False alarm. Responded to by Chemical 1.

May 13, 2.15 P. M. (Still.) Fire in house 51 Russell st., owned and occupied by Jonathan Howland. Cause, hot ashes in pan. Responded to by men from Station 4. No loss.

May 14, 8.45 A. M. (Still.) Fire in house rear 438 south Second st., owned by Potomska Mills and occupied by Ed. LeBeau. Cause, unknown. Responded to by men from Station 6. No loss.

May 16, 5.02 P. M. Box 84. Fire in stable rear 137 so. Second st., owned and occupied by D. W. Baker. Cause, children and matches. Responded to by Engines 4 and 6, Ladder 3, Chemical 1. Loss on building \$28.70. Insurance \$200.

May 16, 9 P. M. (Still.) Fire in dump foot of Pearl st. Responded to by men from Station 1. No loss.

May 18, 8.50 P. M. (Still.) Fire in dump foot of Pearl st. Responded to by men from Station 1. No loss.

May 19, 12 30 A. M. (Still.) Fire in dump corner Coggeshall and Dean sts. Responded to by men from Weld st. Station. No loss.

May 19, 8.40 a. m. (Still.) Back draft, house 61 Washington st., owned and occupied by M. D. Wall. Responded to by men from Station 4. No loss.

May 19, 11.50 A. M. (Still.) Chimney fire, house, 4 Mechanics Lane, owned by Geo. Nicher and occupied by Wm. Maxfield. Responded to by Chemical 1. No loss.

May 20, 6.13 P. M. Box 126. Fire in house 125 No. Front st., owned by Frederick Soule and occupied by Philip Bell and others. Cause, lightning. Responded to by Engines 1 and 8, Ladder 2, Hose 2, Chemical 1. No loss.

May 20, 7.15 P. M. Box 126. Bricks dropping down chimney, house 125 No. Front st., owned by Frederick Soule and occupied by Philip Bell and others. Responded to by Engines 5, 7 and 8, Ladder 2, Hose 2, Chemical 1. No loss.

May 20, 10.28 P. M. Box 124. Motor cycle, Sawyer st., Responded to by Engines 1 and 8, Ladder 2, Hose 2, Chemical 1. No loss.

May 21, 3.30 a. m. (Still.) Electric light pole, struck by lightning. Responded to by Chemical 1. No loss.

May 23, 12.05 p. m. (Still.) Tar kettle, Russell st., owned by Warren Bros. Responded to by men from Station 4. No loss.

May 24, 4.30 p. m. (Still.) Chimney fire, house 62 Russell st., owned by Mrs. Sarah A. Holmes and occupied by A. K. P. Sawin. Responded to by men from Station 4. Loss on building \$10.07. Insurance \$5,000.

May 26, 2.20 p. m. (Still.) Fire in dump, Park and Willis sts. Responded to by men from Station 7. No loss.

May 27, 7.33 p. m. Box 3. Fire in house in Acushnet, owned by Jean B. Jean and occupied by Wm. Bolduc. Responded to by Engines 8 and 9.

May 28, 4.55 p. m. (Still.) Fire in dump, Coggeshall and Jean sts. Responded to by men from Weld st. Station. No loss.

May 30, 9.30 a. m. (Still.) Chimney fire, house, Purchase and High sts., owned by Haskins Est. and occupied by Mrs. Wilbur. Responded to by Chemical 1. No loss.

May 30, 2.40 p. m. Box 27. Fire in building, 34 Pleasant st., owned by C. F. Cushing and occupied by Louis Wolf, C. F. Cushing and others. Cause unknown. Responded to by Engines 2 and 4, Ladder 1, Chemical 1. Loss on building \$301.46. Insurance \$8,000. Loss on contents \$200. Insurance \$5,650.

May 31, 11.57 p. m. Box 58. Fire in house 31 Morton's Court, owned by Millente Auger and occupied by Ed. Dolan, R. Hopewood and Peter Brusson. Cause, wood near chimney. Responded to by Engines 4 and 6, Ladder 3, Chemical 1. Loss on building \$574. Insurance \$2,200. Loss on contents \$10. Insurance \$500.

June 2, 9.20 a. m. (Still.) Fire in building on William st., owned by City of New Bedford and occupied by School committee. Cause, spark from chimney. Responded to by Chemical 1. Loss on building \$25. No insurance.

June 2, 10.21 a. m. Box 32. Same fire responded to by Engines 2 and 4, Ladder 1.

June 2, 11 55 p. m. (Still.) Fire in tow-boat, south side Merrill's wharf, owned by New Bedford Towboat Co. Cause, matches on mat. Responded to by men from Station 4. No loss.

June 3, 9.30 p. m. (Still.) Fire in woods north of Hathaway Road. Responded to by men from Station 7. No loss.

June 3, 8.45 p. m. (Still.) Brush fire, Myrtle and Penniman sts. Responded to by men from Station 7. No loss.

June 6, 2.15 p. m. (Still.) Chimney fire, house 105 Fourth st., owned and occupied by Howard Wickham. Responded to by men from station 4. No loss.

June 8, 11.55 a. m. (Still.) Fire in dump, Acushnet Avenue and Hathaway Road. Cause, set by boys. Responded to by men from station 8. No loss.

June 12, 2.23 p. m. Box 34. Fire in building 37 Union st., owned by Wm. F. Potter and Mrs. G. T. Hough and occupied by Lawrence and Davis. Cause, Stove set fire to wood work. Companies responding, Engines 2 and 4, Ladder 1, Chemical 1. Loss on building \$81.78. Insurance \$500.

June 13, 11.30 a. m. Box 61. Fire in house, 7 Penniman st., owned by John F. Edgerton and occupied by Wm. H. Holland. Cause, oil stove. Responded to by Engines 5, 7 and 8, Ladder 2, Hose 2, Chemical 1. Loss on building \$75.20. Insurance \$2,000. Loss on contents \$15. No insurance.

June 15, 3 p. m. (Still.) Fire in rubbish, rear Hastings' building, Purchase st., owned by A. E. Hathaway. Cause, set by boys. Responded to by men from Station 2. No loss.

June 17, 11.50 a. m. (Still.) Fire in house 182 Fourth st., owned and occupied by J. W. Pease. Cause, hot ashes in barrel. Responded to by men from Station 6. No loss.

June 23, 19.50 a. m. (Still.) Chimney fire, building 126 No. Front st., owned by L. Z. Normandin and occupied by Thierien & Co. Responded to by men from Weld st. Station. No loss.

June 25, 3.20 a. m. Box 31. Fire in Lunch cart, corner Acushnet ave. and Union st., owned and occupied by Wm. Ripley. Cause, oil stove. Responded to by Engines 2 and 4, Ladder 1. Chemical 1. Loss on wagon \$200. Contents \$50. No insurance.

June 29, 9.50 a. m. Box 56. Fire in house 571 So. First st., owned by Potomska Mills and occupied by Thos. O'Connor and others. Cause, probably set by children. Responded to by Engines 4 and 6, Ladder 3, Chemical 1. No loss.

June 30, 3.10 p. m. (Still.) False alarm. Responded to by men from Station 1.

July 1, 8.40 a. m. (Still.) Fire in house, 464 So. Water st., owned by Est. Manuel S. Sylvia and occupied by Mrs. M. S. Sylvia. Cause, overheated stove pipe. Responded to by men from Station 4. No loss.

July 1, 8.20 p. m. Box 59. Brush fire, seen at a distance. Responded to by Engines 4 and 6, Ladder 3, Chemical 1. No loss.

July 2, 8.37 p. m. Box 59. Fire in building 126 Dartmouth st., owned by Frank Fernandez and occupied by John Horvitz. Cause, lamp exploded. Responded to by Engines 4 and 6, Ladder 3, Chemical 1. Loss on building \$7. Insurance \$2,000. Loss on contents \$10.50. Insurance \$500.

July 2, 8.20 p. m. (Still.) Brush fire, Rivet st. and Bolton road. Set by children. Responded to by men from Station 6. No loss.

July 3, 11 p. m. Box 135. Awning of building, 248 Coggeshall st., owned and occupied by Michael I. Weschnidzky. Cause, fireworks. Responded to by Engines 1 and 8, Ladder 2, Hose 2, Chemical 1. Loss \$7. Insurance \$5,500.

July 4, 5.03 a. m. Box 84. Fire in house 281 So. Water st., owned and occupied by Mrs. Mary Williams. Cause, fireworks. Responded to by Engines 2 and 4, Ladder 3, Chemical 1. No loss.

July 4, 7.10 a. m. (Still.) Awning, 302 Acushnet ave., owned by Wm. Early. Responded to by Chemical 1. No loss.

July 4, 10.18 a. m. Box 26. Fire in house, Water st., near Middle st., owned by C. W. Wyman, Agt. and unoccupied. Cause, fireworks. Responded to by Engines 1, 2 and 5, Ladder 1, Chemical 1. No loss.

July 4, 2.05 p. m. (Still.) Fire in house 98 Willis st., occupied by W. P. Ellis. Cause, fireworks. Responded to by men from Station 5. No loss.

July 4, 10.40 p. m. (Still.) Fire in house 564 Purchase st. owned by Thomas Clynes and unoccupied. Cause, fireworks. Responded to by men from Station 1. No loss.

July 4, 11.05 P. M. (Still.) Fire in store Water and Union sts., owned and occupied by Thomas Donaghy. Cause, fireworks. Responded to by Chemical 1. No loss.

July 5, 1.30 A. M. Box 224. Fire in house 492 Mill st., owned by F. W. Oesting, and occupied by Wm. Foster. Cause, fireworks. Responded to by Engines 5 and 7, Ladder 1, Chemical 1. Loss on building, \$200. Contents, \$50. No insurance.

July 5, 3.20 A. M. Box 56. Fire in stable 29½ Acushnet ave., owned by H. O. Firme, and occupied by H. O. Firme and Frank F. Lee. Cause unknown. Responded to by Engines 4 and 6, Ladder 3, Chemical 1. Loss on building, \$400. Insurance, \$400. Loss on contents, \$250. Insurance, \$250.

July 5, 12.36 P. M. Box 51. Fire in house 50 Dartmouth st., owned and occupied by A. A. Sylvia. Cause, hot ashes in barrel. Responded to by Engines 4 and 6, Ladder 3, Chemical 1. Loss on building, \$10. Insurance, \$1200.

July 6, 10 A. M. (Still.) Fire in house 48 High st., owned by Henry Hatch, ag't, and occupied by Mrs. Bremar. Cause, children and matches. Responded to by Chemical 1. Loss on building, \$106. Insurance, \$1500. Loss on contents, \$38. Insurance, \$200.

July 8 9.16 A. M. Box 27. Fire in stable on High st., west of Purchase st., owned by Mrs. Wm. R. West, and occupied by Household Furnishing Co. and others. Loss on building, \$965.17. Insurance, \$15,200. Loss on contents, \$200. No insurance.

July 8, 9.45 A. M. (Still.) Fire in house 108 Middle st., owned by Dr. Jennings Est., and occupied by Mr. Brown. Cause, sparks from stable fire. Responded to by Chemical 1. No loss.

July 8. Fire in House 275 County st. Cause, children and matches. Loss on contents, \$10. Insurance \$1500.

July 10, 7.50 P. M. Box 57. Fire in house 178 Blackmer st., owned and occupied by John Whitehead. Cause, fire balloon. Responded to by Engines 4 and 6, Ladder 3, Chemical 1. Loss on building, \$10. Insurance, \$2000.

July 13, 8.13 P. M. Box 583. False alarm. Responded to by Engines 4 and 6, Ladder 3. No loss.

July 14, 10 P. M. (Still.) Fire in electric car, cor. Purchase and William sts., owned by Union St. Railway Co. Cause, hot box. Responded to by men from Station 2. No loss.

July 15, 4.55 P. M. (Still). Chimney fire, house No. 46 Hill st., owned by Wm. Weeks, and occupied by Herbert C. Pratt. Responded to by men from Station 5. No loss.

July 15, 5 P. M. (Still). Chimney fire, house No. 16 Hampton court, owned by Wamsutta mills. Responded to by men from Weld St. Station. No loss.

July 15, 5 40 P. M. (Still). Fire in car, foot of Logan st., owned by N. Y., N. H. & H. Railroad. Cause, spark from locomotive. Responded to by men from Weld St. Station. No loss.

July 16, 2 45 P. M. (Still). Fence on fire, foot of Pearl st. Set by boys. Responded to by men from Station 1. No loss.

July 18, 1 34 P. M. Box 136. Fire in toolhouse on Coggeshall Street Bridge, owned by City of New Bedford. Cause, explosion of naphtha. Responded to by Engines 1 and 8, Ladder 2, Hose 2, Chemical 1. Loss on building, \$75. Contents, \$175. No insurance.

July 18, 5.30 P. M. (Still.) Fire in carpenter shop on Second st., owned and occupied by Max Giles. Cause, spark in shavings. Responded to by men from Station 6. No loss.

July 20, 5 P. M. (Still.) Chimney fire in house 245 So. First st., owned by Mrs. Shay, and occupied by Jos. Manuel. Responded to by men from Station 6. No loss.

July 21, 4.40 p. m. (Still.) Fire in house 22 Griffin st., owned and occupied by Mrs. Augusta Perry. Cause, hot ashes in barrel. Responded to by men from Station 4. No loss.

July 24, 1.57 p. m. Box 45. Fire in house 62 Allen st., owned by Mrs. Elizabeth Howland, and occupied by same. Cause, hot ashes in barrel. Responded to by Engines 4 and 6, Ladder 3, Chemical 1. Loss on building, \$6.64. Insurance, \$3000.

July 24, 1.13 P. M. Box 48. Fire in house 679 So. Water st., owned by A. Simansky, and occupied by Hyman Fishman. Cause, oil stove. Responded to by Engines 4 and 6, Ladder 3, Chemical 1. No loss.

July 25, 4.30 P. M. (Still). Fire in house 15 Bentley st., owned by Mary McCarty, and occupied by Hugh Ganby. Cause, oil stove. Responded to by men from Weld St. Station. No loss.

July 27, 11.44 A. M. Box 51. Chimney fire, house 76 Leonard st., owned and occupied by Frank Rica. Responded to by Engines 4 and 6, Ladder 3, Chemical 1. No loss.

July 30, 10.50 p. m. Box 227. Fire in house on Fish Island, owned by E. F. Wordell, and occupied by Maurice Kelliher. Cause, unknown. Responded to by Engines 1, 2 and 5, Ladder 1, Chemical 1. Loss on building, \$1,349. Insurance, \$1,500. Loss on contents, \$150. No insurance.

Aug. 2, 11.20 a. m. (Still). Paper on fire, rear City wood yard. Responded to by men from Station 2. No loss.

Aug. 2, 10.52 a. m. Box 125. Fire in house 5 Bowditch st., owned by Grinnell Mfg. Co., and occupied by Jas. Houghton. Cause, spark on roof. Responded to by Engines 1 and 8, Ladder 2, Hose 2, Chemical 1. Loss on contents, \$15.90. Insurance, \$500.

Aug. 3, 3.10 p. m. (Still.) Fire in stable on Belleville ave., owned and occupied by Frank Monty. Cause, spark in excelsior. Responded to by men from Weld Street Station. No loss.

Aug. 7, 2.10 p. m. (Still.) Fire in house 105 Fourth st., owned and occupied by Howard Wickham. Cause, spark in baby carriage. Responded to by Chemical 1. No loss.

Aug. 8, 7.45 p. m. (Still.) Fire in store and tenement 573 Purchase st., owned by Katie and James Galligan, and occupied by H. Hahn. Cause, lamp set fire to woodwork. Responded to by men from Station 1. Loss on contents, \$25. Insurance, \$300.

Aug. 12, 6.40 p. m. Box 97. Fire in cotton shed foot of Coffin ave., owned and occupied by Whitman Mills. Cause, spontaneous combustion in waste. Responded to by Engines, 1, 5, 7 and 8, Ladder 1, 2, Hose 2, Chemical 1. Loss on contents, \$138. Blanket policy.

Aug. 12, 8.12 a. m. Box 6. Fire in house 10 Hazzard court, owned by Wamsutta mills, and occupied by Wm. E. Gorse. Cause, oil stove exploded. Loss on contents, \$44.30. Insurance, \$500.

Aug. 2, 8.21 a. m. Second alarm, same fire. Responded to by Engines 5 and 8.

Aug. 15, 4.23 p. m. (Still). Fire in house 109 Potomska st., owned by John Thomas, and occupied by P. J. McDonald. Cause, oil stove. Responded to by men from Station 6. No loss.

Aug. 16, 3.50 p. m. (Still). Fire in wagon on Parker st., owned by John E. Oliver. Lamp lighter's torch set fire to naptha. Responded to by men from Station 7.

Aug. 16, 1 p. m. (Still). Chimney fire, house 62 Russell st., owned by Mrs. Sarah A. Holmes, and occupied by A. K. P. Swain. Responded to by men from Station 4. No loss.

Aug. 19, 8.30 a. m. (Still). Fire in kettle of tar, cor. Pleasant and High sts. Responded to by Chemical 1. No loss.

Aug. 19, 4.50 p. m. Box 15. Fire in house cor. Smith and Cottage sts., owned by C. Raymond, and occupied by B. F. King. Cause, oil stove. Responded to by Chemical 1. No loss.

Aug. 21, 7.15 a. m. (Still.) Tar pot on Adams st., owned by A. W. Perkins & Co. Cause, tar boiling over. Responded to by men from Weld Street Station. No loss.

Aug. 22, 11.50 a. m. Box 57. Fire in rubbish, rear 49 Nelson st. Responded to by Engines 4 and 6, Ladder 3, Chemical 1. No loss.

Aug. 23, 4.15 a. m. (Still.) Fire in house 262 Cottage st., owned by Chas. S. Paisler, and occupied by Mrs. M. A. Holbrook. Cause, rats and matches. Responded to by men from Station 5. No loss.

Aug. 26, 4.30 p. m. (Still.) Fire in house 290 Fourth st., owned by Patomska Mills Corp., and unoccupied. Cause, oily waste. Responded to by men from Station 6. No loss.

Aug. 27, 3.15 p. m. Box 58. Fire in crockery store 1041 So. Water st., owned by John Holland and occupied by Mrs. Marsden. Cause, spark in rubbish. Responded to by Engines 2 and 4, Ladder 1, Chemical 1. Loss on contents, \$209.30. Insurance, \$1300.

Aug. 29, 8.25 a. m. (Still.) Chimney fire, house 3 Jenney st., owned by William E. Tanner, Agt., and occupied by Thos. Ames. Responded to by men from Station 5. No loss.

Sept. 4, 8.10 p. m. Box 124. Chimney fire, house 233 Sawyer st., owned by Bruno Fortin, and occupied by Philip Superal. Responded to by Engines 1 and 8, Ladder 2, Hose 2, Chemical 1. No loss.

Sept. 7, 11.12 a. m. Box 58. Fire in house West French ave. and Welcome st., owned by Pierre Dandurand, and occupied by Louis Carroll. Cause, children and matches. Responded to by Engines 2 and 4, Ladder 3, Chemical 1. Loss on building, \$500. Insurance, \$2,500. Loss on contents, \$179.75. Insurance, \$1,500.

Sept. 13, 9.25 p. m. (Still): Fire in house 7 Willis st., owned by L. E. Milliken Est., and occupied by Mrs. Black. Cause, rags in chimney hole. Responded to by men from Station 1. No loss.

Sept. 14, 10.40 p. m. (Still). Fire in car, Wamsutta st. crossing. Cause, carboy of acid exploded. Responded to by men from Station 1. No loss.

Sept. 16, 6.01 p. m. Box 224. Chimney fire, house Whittamore lane, owned by Robert Arnett, and occupied by Joseph Lequirra. Responded to by Engines 5 and 7, Ladder 1, Chemical 1. No loss.

Sept. 20, 6.36 p. m. Box 46. Fire in house 11 Morgan's lane, owned by Hyman Muhler, and occupied by him. Cause, candle set fire to clothing. Responded to by Engines 4 and 6, Ladder 3, Chemical 1. No loss.

Sept. 20, 10.50 p. m. (Still.) Chimney fire, house 128 Cedar st., owned and occupied by Lewis E. Bryant. Responded to by men from Station 5. No loss.

Sept. 22, 10.23 a. m. Box 53. Fire in house 103 Rockland st., owned by Benj. Cummings, Agt., and occupied by Wm. J. Brennan. Cause, spark on roof. Responded to by Engines 4 and 6, Ladder 3, Chemical 1. Loss on buildings, \$15. Insurance, \$1000.

Sept. 22, 1.04 p. m. (Still.) Fire in house 297 Cottage st., owned by Wm. West Est., and occupied by Edward P. Damon. Cause, oil stove. Responded to by men from Station 5. Loss on contents, \$5.85. Insurance, \$600.

Sept. 22, 12.10 a. m. (Still.) Chimney fire, schoolhouse cor. High and Pleasant sts. Responded to by men from Station 2. No loss.

Sept. 23, 11.00 a. m. (Still.) Chimney Fire, house 301 Fourth st., owned by Potomska Mills Corp., and occupied by Alice Ryan. Responded to by men from Station 6. No loss.

Sept. 24, 6.58 p. m. Box 27. False alarm. Responded to by Engines 2 and 4, Ladder 1, Chemical 1.

Sept. 26, 11.55 a. m. (Still). Fire in dump, Crapo st., near Mosher. Responded to by men from Station 6. No loss.

Sept. 30, 8.37 a. m. Box 59. Fire in house 135 Field st., owned by Henry M. Knowles, and occupied by Henry F. A. Michaelson. Cause, unknown. Responded to by Engines 4 and 6, Ladder 3, Chemical 1. No loss.

Oct. 3, 11.30 a. m. (Still). Fire in dump foot of Kenyon st. Responded to by men from Weld st.

Oct. 4, 6.15 p. m. (Still). Fire in dump on Crapo st., near Mosher. Responded to by men from Station 6. No loss.

Oct. 6, 8.05 p. m. Box 134. False alarm. Responded to by Engines 1 and 8, Ladder 2, Hose 2, Chemical 1.

Oct. 10, 8.05 a. m. (Still). Chimney fire, house 591 Acushnet ave., owned and occupied by Dennis Sullivan. Responded to by men from Station 1. No loss.

Oct. 16, 6. 16 p. m. Box 57. Fire in house 52 Nelson st., owned by J. C. Warren, agt., and occupied by Lucian Cyr. Cause, lamp exploded. Responded to by Engines 4 and 6. Ladder 3, Chemical 1. Loss on contents, \$3.50. Insurance, \$500.

Oct. 16, 12.10 p. m. Box 58. Fire in lunch wagon, Cove and Water sts., owned and occupied by Joseph Wolam. Cause unknown. Responded to by Engines 4 and 6, Ladder 3, Chemical 1. Loss on building, \$250. Contents, \$100. No insurance.

Oct. 20, 12.50 p. m. (Still.) Chimney fire, house 9 Griffin st., owned by M. E. Ramos, and occupied by Jennie Rica. Responded to by men from Station 4. No loss.

Oct. 23, 10.20 a. m. (Still.) Pot of meat boiled over, 610 Purchase st. House owned by G. E. Saxon, and occupied by John Smith. Responded to by men from Station 1. No loss.

Oct. 29, 12 m. (Still.) Fire in house cor. Union and North Orchard Sts., owned by Mrs. T. D. Eliot, and unoccupied. Cause, sparks from chimney. Responded to by Chemical 1. No loss.

Oct. 30, 3.20 a. m. (Still.) Fire in paint shop, 20 High st., owned and occupied by Wm. Sturtevant. Cause unknown. Responded to by Chemical 1. No loss.

Oct. 31, 4.30 p. m. (Still.) Fire in bushes, Sawyer st., west of Purchase st. Responded to by men from Weld Street Station.

Nov. 1, 2.50 p. m. (Still.) Fire in brush, Church st., near Nash road. Cause, boys and matches. Responded to by men from Station 8. No loss.

Nov. 6, 4.10 p. m. (Still). Fire in hotel, Weld st. and Acushnet ave., owned and occupied by Mrs. Vien. Cause, leaking gas pipe. Responded to by men from Weld St. Station. No loss.

Nov. 6, 6.18 p. m. Box 46. Fire in house 422 So. Water st., owned by Severino Gomes, and occupied by Morris Singer. Cause, children upset candle. Responded to by Engines 4 and 6, Ladder 3,

Chemical 1. Loss on building, \$153.98. Insurance, \$1,000. Loss on contents, \$165. Insurance, \$400.

Nov. 13, 4.18 p. m. Box 56. Fire in house 579 So. First st., owned by Potomska Mills Corp., and occupied by Mrs. Bullock. Cause, oil stove. Responded to by Engines 4 and 6, Ladder 3, Chemical 1. Loss on building, \$82.51. Insurance, \$3,000. Loss on contents, \$100. No insurance.

Nov. 14, 2.59 a. m. Box 48. Fire in stable rear 382 So. Second st., owned by Frank Cabral, and occupied by Antone Borges and Jas. Horitz. Cause, supposed incendiary. Responded to by Engines 4 and 6, Ladder 3, Chemical 1. Loss on building, \$65. Insurance, \$190. Loss on contents, \$230. Insurance, \$225.

Nov. 18, 4.30 p. m. (Still). Fire in house High st. and Acushnet ave., owned by Wm. Caswell, and occupied by Mrs. L. T. Parlow. Cause, caught from chimney. Responded to by men from Station 2. Loss on building, \$14. Insurance, \$1,000.

Nov. 21, 4.20 p. m. (Still.) Fire in house 565 Purchase st., owned by Est. W. Estes, and occupied by John Whitehead. Cause, lamp. Responded to by men from Station 1. No loss.

Nov. 21, 5.10 p. m. Box 6. Fire in house 4 Hazard st., owned by Wamsutta Mills, and occupied by Wm. Wood. Cause, clothes caught fire from stove. Responded to by Engines 1 and 7, Ladder 2, Hose 2, Chemical 1. No loss.

Nov. 23, 4.55 p. m. (Still.) Fire in carpenter shop, 202 North Water st., owned by J. L. Sherman, and occupied by Jones & Dodge. Cause, gas engine. Responded to by Chemical 1. Loss on building, \$5. Insurance, \$1000. Loss on contents, \$14. Insurance, \$1750.

Nov. 24, 10.08 p. m. (Still.) Fire in house 312 Davis st., owned and occupied by Arthur Superenault. Cause, match in shavings. Responded to by men from Station 7. No loss.

Nov. 24, 9.00 p. m. (Still.) Fire in cotton shed on Acushnet ave., owned by N. Y., N. H. & H. R. R. Cause, spark in cotton. Responded to by men from Station 1. No loss.

Nov. 29, 9.55 a. m. (Still.) Chimney fire, house 93 Spring st., owned by Est. A. R. Tucker, and occupied by Mrs. B. R. Almy. Responded to by men from Station 4. No loss.

Nov. 29, 5 p. m. Box 17. Fire in house rear 584 Acushnet ave., owned by H. W. Hervey, and occupied by Mrs. Timothy Quill. Cause, lamp fell. Responded to by Engines 1 and 5, Ladder 1, Chemical 1. No loss.

Dec. 3, 7.30 a. m. (Still). Chimney fire, house 298 Fourth st., owned by C. M. Lussier. Responded to by men from Station 6. No loss.

Dec. 3, 6.45 a. m. Box 127. Fire in store cor. County and Linden sts., owned by Emerson Smith, and occupied by Thos. Murphy. Cause, spark from chimney in cellar. Responded to by Engines 1 and 7, Hose 2, Ladder 2, Chemical 1. Loss on building, \$62.50. Insurance, \$1,000.

Dec. 5, 7.30 p. m. Box 58. Fire in house No. 12 Scott st., owned and occupied by John Stanton. Cause, overturned lamp. Responded to by Engines 4 and 6, Ladder 3, Chemical 1. No loss.

Dec. 5, 7.10 p. m. (Still). Chimney fire, house 656 Acushnet ave., owned by Est. S. M. Hall, and unoccupied. Responded to by men from Station 1. No loss.

Dec. 7, 11.10 p. m. Box 21. Fire in cotton shed corner Water and North sts., owned and occupied by N. E. Cotton Yarn Co. Cause, accidental. Responded to by Engines 1, 2 and 5. Ladder 1, Chemical 1. Loss on building, \$225. Insurance, \$225. Blanket policy.

Dec. 9, 2.40 p. m. (Still.) Fire in house 101 Linden st., owned by Jas. Davis, and occupied by William Henshaw. Cause, spark from stove. Responded to by men from Station 7. Loss on building, \$4.59. Insurance, \$2000.

Dec. 10, 4.42 p. m. Box 135. Fire in store and dwelling 271 Coggeshall st., owned by Eusebe Therrien, and occupied by B. Holshanetizsky. Cause, lighted taper. Responded to by Engines 1 and 8, Ladder 2, Hose 2, Chemical 1. Loss on building, \$407. Insurance \$3000. Loss on contents, \$814.44. Insurance, \$1600.

Dec. 13, 5.53 p. m. Box 124. Fire in lunch wagon, Acushnet ave., near Bentley, owned and occupied by Chas. Smith. Cause, leaky naphtha tank. Responded to by Engines 1 and 8, Ladder 2, Hose 2, Chemical 1. Loss on wagon, \$235. Insurance, \$700. Loss on contents, \$20. No insurance.

Dec. 13, 6.13 p. m. (Still.) Chimney fire, house 294 Court st., owned and occupied by Mrs. Cynthia Jackson. Responded to by men from Station 5. Loss on building, \$6.80. Insurance, \$3000. Loss on contents, \$12.20. Insurance, \$600.

Dec. 16, 4.05 a. m. Box 125. Fire in round house, near Logan st., owned and occupied by N. Y., N. H. & H. Railroad. Cause, spark from torch. Responded to by Engines 1 and 8, Ladder 2, Hose 2, Chemical 1. Loss on building, \$150. Insurance, \$150. Blanket policy.

Dec. 17, 11 30 a. m. (Still). Chimney fire, house 34 South Sixth st., owned and occupied by Mrs. Frederlck F. Allen. Responded to by men from Station 4. No loss.

Dec. 17, 2.10 p. m. Box 17. Fire in house 228 No. Second st., owned by Elmore P. Haskins, and occupied by Patrick Carr and others. Cause, overheated chimney. Responded to by Engines 1 and 5, Ladder 1, Chemical 1. Loss on building, \$75. Insurance, \$1500. Loss on contents, \$14,82. Insurance, \$500.

Dec. 19, 2.10 p. m. (Still). Brush fire, Belleville road and No. Front st., set by boys. Responded to by men from Station 8. No loss.

Dec. 21, 1.11 a. m. Box 123. Fire in shed, Manomet st., owned and occupied by B. F. Smith Co. Cause, slacking lime. Responded to by Engines 1 and 8, Ladder 2, Hose 2, Chemical 1. Loss on building, \$60. Insurance, \$60. Loss on contents, \$15. Insurance, \$15. Blanket policy.

Dec. 27, 12.10 a. m. Box 48. Fire in tailor shop, 75 Grinnell st., owned by A. F. Francis, and occupied by John P. Quadros, Cause, accidental. Responded to by Engines 4 and 6, Ladder 3, Chemical 1. Loss on building, \$60.50. Insurance, \$1,500. Loss on contents, \$125. Insurance, \$500.

Dec. 30, 8.55 p. m. (Still). Chimney fire, house 219 State st., owned by Bradford Smith, and occupied by Mr. Chamberlain, Responded to by men from Weld St. Station. No loss.

Dec. 31, 10.20 a. m. (Still). Fire in house on Purchase st., owned and occupied by Mary Lees. Cause, thawing out pipes. Responded to by men from Weld St. Station. No loss

Following is the amount of losses by fire in this city for the past twenty-seven years, together with amount of insurance on same:

	Loss.	INSURANCE.
1877	\$26,063.66	\$21,528.36
1878	28,154.46	66,025.00
1879	9,163.16	54,950.00
1880	7,609.13	49,450.00
1881	26,624.96	86,979.00
1882	23,169.64	692,950.00
1883	17,398.14	77,450.00
1884	134,729.82	310,950.00
1885	6,982.41	148,025.00
1886	26,786.03	1,108,800.00
1887	45,141.50	708,150.00
1888	32,881.87	125,927.00
1889	42,285.71	182,772.00
1890	18,145.02	71,300.00
1891	43,032.65	297,488.13
1892	73,947.46	271,710.00
1893	94,516.21	231,375.00
1894	28,481.98	186,850.00
1895	55,607.61	209,233.33
1896	78,909.83	705,800.00
1897	63,638.76	973,581.34
1898	47,419.29	177,367.46
1899	40,718.40	219,575.00
1900	18,781.61	155,450.00
1901	30,861.35	220,150.00
1902	53,536.83	202,705.00
1903	13,336.94	168,765.00

Fire Alarm Telegraph, 1903.

SUPERINTENDENT,
FREDERICK MACY, Chief Engineer.

ASSISTANT SUPERINTENDENT,
DANIEL D. BRIGGS.
Residence, 43 Bedford street. Office, City Hall.

LOCATION OF SIGNAL BOXES.

No.

- 3 Lund's Corner
- 4 Acushnet Heights, nr. Reservoir
- 113 Merrimac and Summer sts
- 116 Hillman and Ash sts
- 123 Acushnet ave and Davis st
- 124 Acushnet ave and Sawyer st
- 125 Cor. Bowditch and Weld st
- 126 Cedar Grove and North Front st
- 127 Purchase and Linden sts
- 128 County and Penniman sts
- 129 Purchase st and Coffin ave
- 131 Acushnet ave and Perry st
- 134 Belleville ave and Nye st
- 135 Belleville ave and Coggeshall st
- *136 Soule Mill
- *143 Blackmer Glass Factory
- *145 Power Station, Fish Island
- *146 Car House, Pope's Island

- 5 Linden and Ashland sts
- 6 Hazard and State sts
- 7 Purchase and Franklin sts
- 8 County and Pearl sts
- 9 Wamsutta st and Acushnet ave
- 12 Shawmut ave and Durfee st
- 13 Cedar and Locust sts
- 14 Purchase and Wallis sts
- 15 Smith and Cedar sts
- 16 County and Hillman sts
- 17 Maxfield st and Acushnet ave
- 18 Purchase and North sts
- 19 State and Sycamore sts
- 21 North and Water sts
- 23 Kempton and Liberty sts
- 24 Kempton and Cedar sts
- 25 County and Kempton sts
- 26 Water and Middle sts
- 27 Purchase st and Mechanics lane
- 28 Court and Cedar sts
- 29 Arnold and Ash sts
- 31 Acushnet ave and Union st
- 32 Union and Eighth sts
- 34 Union and Water sts
- 35 Fourth and School sts
- 36 Walnut and Water sts
- 37 Madison and Orchard sts
- 38 Bedford and Sixth sts
- 39 Acushnet ave and Cannon st
- 41 Hawthorn and Page sts
- 42 Allen and Page sts
- 43 Walnut and Seventh sts
- 45 Allen and Dartmouth sts
- 46 South Water and Leonard sts
- 47 Junction of Sixth and County sts
- 48 Water and South sts

- 51 Dartmouth and Rockland sts
- 52 Fourth st, head of Potomska
- 53 Crapo and Rivet sts
- 56 South Water and Rivet sts
- 57 Mosher and County sts
- 58 South Water and Cove sts
- 223 Court and Tremont sts
- 224 Kempton and Reed sts
- 225 Kempton and Florence sts
- 226 Rodman and Front sts
- 227 New Bedford and Fairhaven Bridge
- *61 Union St. Railway Car Stables, Purchase st
- *62 Grinnell Mills
- *63 Wamsutta Mills
- *64 New Bedford Manufacturing Co.
- *65 Hathaway, Soule & Harrington
- *67 New Bedford Cordage Factory
- *68 New Bedford Copper Works
- *69 Dawson's Brewery
- *71 Pairpoint Manufacturing Co.
- *72 George Delano's Sons & Co.'s Works
- *73 Potomska Mills
- *74 Acushnet Mills
- *75 Morse Twist Drill Co.
- *76 City Manufacturing Co.
- *78 Dartmouth Mills
- *79 Butler Mill
- *81 Howland Mills
- *82 Hathaway Mills
- *83 Rotch Mills
- *84 Iron Foundry, foot of Cannon st
- *85 New Bedford Gas Works
- *86 Old Colony Steamboat Co.
- *91 Bennett Mills
- *92 New Bedford Casket Co.
- *93 Pierce Mills

- *94 Old Colony Fre't Depot, Pearl st
- *95 Bristol Mills
- *96 Columbia Mills
- *97 Whitman Mills
- 581 City Almshouse
- 583 Brock ave, near Butler st
- 584 Cove st and East French ave
- *971 Manomet Mills

*Private boxes

LOCATION OF HYDRANTS.

Abboit street, northwest corner of Ruth avenue.....
 Acushnet av, west side, north of Tarkiln Hill road, 3743.2 ft.
 Acushnet av, west side, north of Tarkiln Hill road, 2986.7 ft.
 Acushnet av, west side, north of Tarkiln Hill road, 2392.7 ft.
 Acushnet av, west side, north of Tarkiln Hill road, 1783.3 ft.
 Acushnet av, west side, north of Tarkiln Hill road, 1195.3 ft.
 Acushnet av, west side, north of Tarkiln Hill road, 542 feet.
 Acushnet av, southwest corner Tarkiln Hill road
 Acushnet av, west side, south of Tarkiln Hill road, 500 feet.
 Acushnet av, west side, south of Tarkiln Hill road, 997 feet.
 Acushnet av, west side, north of Howard avenue, 600 feet..
 Acushnet av, west side, north of Howard avenue, 6 feet...
 Acushnet av, west side, south of Howard avenue, 601 feet..
 Acushnet av, west side, north of Shaw, 610 feet.....
 Acushnet av, northwest corner of Shaw
 Acushnet av, west side, north of Belleville road, 603.5 feet..
 Acushnet av, west side, head of Belleville road
 Acushnet av, northwest corner of Nash road
 Acushnet av, northwest corner of Hathaway avenue.....
 Acushnet av, northwest corner of Davis
 Acushnet av, southwest corner of Phillips avenue.....
 Acushnet av, southwest corner of Dean
 Acushnet av, west side, north of Sawyer, 574.5 feet
 Acushnet av, southwest corner of Coggeshall
 Acushnet av, southwest corner of Cedar Grove
 Acushnet av, northwest corner of Logan
 Acushnet av, west side, south of Logan, 335 feet
 Acushnet av, west side, north of Wamsutta, 514 feet.....
 Acushnet av, west side, north of Wamsutta, 372 feet
 Acushnet av, west side, south of Wamsutta, 255 feet. Flush.
 Acushnet av, southeast corner of Pope. Flush
 Acushnet av, west side, south of Campbell, 179 feet. Flush..
 Acushnet av, northwest corner of Maxfield. Flush
 Acushnet av, northwest corner of Kempton. Flush
 Acushnet av, northeast corner of Elm. Flush
 Acushnet av, northwest corner of William
 Acushnet av, northwest corner of School

Acushnet av, northwest corner of Madison	
Acushnet av, northwest corner of Russell	
Acushnet av, northwest corner of Bedford.....	
Acushnet av, west side, opposite Howland. Flush.....	
Acushnet av, northwest corner of Potomska	
Acushnet av, west side, north of Rivet, 98 feet.....	
Acushnet av, southwest corner of Blackmer. Flush.....	
Adams street, south side, west of County, 538.3 feet.....	
Allen street, south side, west of Rural, 445 feet.....	
Allen street, southwest corner of Clover.....	
Allen street, southwest corner of Page.....	
Allen street, north side, east of Page, 159 feet. Flush	
Allen street, northwest corner of Ward. Flush.....	
Arch street, southwest corner of Union. Flush.....	
Armour street, southwest corner of Union	
Arnold place, west side, south of Rotch court, 38.3 feet....	
Arnold street, south side, west of Orchard, 96 feet.....	
Arnold street, southwest corner of Chancery. Flush.....	
Arnold street, southeast corner of Atlantic.....	
Arnold street, south side, west of James, 15.3 feet.....	
Ash street, northwest corner of Middle.....	
Ash street, southwest corner of Morgan.....	
Ash street, northwest corner of Arnold. Flush.....	
Ash street, northwest corner of Maple. Flush.....	
Ash street, northwest corner of Bedford.....	
Ashland street, southwest corner of Clark.....	
Ashley street, west side, south of Cove (west), 222.2 feet..	
Atlantic street, northwest corner of Maple.....	
Atlantic street, southwest corner of Union.....	
Austin street, southwest corner of Purchase.....	
Austin street, southeast corner of State.....	
Austin street, southwest corner of Ashland	
Austin street, southeast corner of Cedar.....	
Austin street, south side, on west line of Wilson.....	
Austin street, southeast corner of Shawmut avenue.....	
Austin street, south side, west of Shawmut avenue, 108 feet	
Babbitt street, south side, west of Dartmouth, 207.5 feet..	
Babbitt street, southeast corner of Field.....	
Bedford street, southwest corner of Fourth.....	
Bedford street, southwest corner of Fifth.....	
Bedford street, southwest corner of County	
Bedford street, southwest corner of Orchard.....	
Beech street, northwest corner of Kempton	

Beetle street, southwest corner of Howard.....
 Beetle street, southeast corner of Front
 Belleville avenue, southwest corner of Washburn.....
 Belleville avenue, west side, north of Washburn, 118 feet..
 Belleville avenue, northwest corner of Cedar Grove.....
 Belleville avenue, west side, north of Coggeshall, 134 feet..
 Belleville avenue, northwest corner of Beetle.....
 Belleville avenue, southwest corner of Plummer avenue..
 Belleville avenue, west side, north of Howard ave, 143 feet
 Belleville road, southwest corner of Diman.....
 Belleville road, south side, east of Acushnet avenue, 1392 ft.
 Blackmer street, south side, east of Front, 284 feet.....
 Blackmer street, south side, east of Front, 575 feet.....
 Blackmer street, south side, east of Front, 738 feet.....
 Blackmer street, south side, east of Front, 904 feet.....
 Bolton road, west side, north of Rivet, 370 feet.....
 Bolton road, west side, north of Rotch Mill No. 2.....
 Bolton road, west side, south of Rotch Mill No.2.....
 Bolton road, west side, south of Rivet, 1027 feet.....
 Bolton road, northwest corner of Poplar road.....
 Bonney street, southwest corner of Allen
 Bonney street, northwest corner of Grinnell.....
 Bonney street, northwest corner of Rockland.....
 Bonney street, southwest corner of Thompson.....
 Borden street, northwest corner of Bedford.....
 Borden street, southwest corner of Bay.....
 Bowditch street, southwest corner of Weld.....
 Bowditch street, west side, south of Cedar Grove, 313 feet..
 Bowditch street, west side, north of Cedar Grove, 244 feet..
 Bowditch street, northwest corner of Coggeshall.....
 Bowditch street, southwest corner of Dean
 Bowditch street, southwest corner of Coffin avenue.....
 Bowditch street, west side, north of Coffin avenue, 358 feet..
 Bowditch street, southwest corner of Davis.....
 Bowditch street, southwest corner Hathaway avenue.....
 Bridge street, north side, east from east line main building,
 Union Street Railway Co. car barn 426.3 feet. Flush
 Bridge street, north side, east from east line main building,
 Union Street Railway Co. car barn 158.5 feet. Flush
 Bridge street, south side, east from west line main building,
 Union Street Railway Co. car barn 14.2 feet. Flush
 Bridge street, south side, on Fish Island.....
 Bridge street, south side, east of Front street, 200 feet....
 Briggs street, west side, north of Rivet street, 303 feet....

Brock avenue, southwest corner of David.....	
Brock avenue, southwest corner of Woodlawn avenue.....	
Brock avenue, southwest corner of Willard.....	
Brock avenue, southwest corner, first street south Norman.	
Brock avenue, west side, south of Butler, 1063 feet.....	
Brock avenue, west side, south of Butler, 2538.1 feet.....	
Brock avenue, northwest corner Marine avenue.....	
Brownell street, west side, south of Union 387 feet.....	
Bullard street, southwest corner of Belleville avenue.....	
Bullard street, southeast corner of Front.....	
Bullard street, southeast corner of Bowditch.....	
Bullock street, southwest corner of Trinity.....	
Butler street, south side, east from Brock av, 1635 ft. Flush	
Butler street, southwest corner of Fern.....	
Campbell street, southwest corner of Purchase.....	
Campbell street, south side, east of County, 163 feet. Flush	
Campbell street, south side, west of County, 216.5 feet....	
Campbell street, southwest corner of Cottage.....	
Campbell street, south side, east of Shawmut av. 205 ft.	
Flush	
Cannon street, south side, east of Second, 164 feet.....	
Cedar street, northwest corner of Elm.....	
Cedar street, southwest corner of Kempton. Flush.....	
Cedar street, west side, north of Mill, 75 feet. Flush....	
Cedar street, southwest corner of Hillman. Flush.....	
Cedar street, northwest corner of Sycamore. Flush.....	
Cedar street, southwest corner of Campbell. Flush.....	
Cedar street, southwest corner of Parker. Flush.....	
Cedar Grove street, southeast corner of Front.....	
Cedar Grove street, southeast corner of Howard.....	
Cedar Grove street, south side, west of Bowditch, 383 feet	
Cedar Grove street, northwest corner of Purchase.....	
Cedar Grove street, southwest corner of County.....	
Centre street, south side, east of Water, 85 feet. Flush...	
Chancery street, southwest corner of Maple.....	
Chancery street, west side, north of Arnold, 406 feet.....	
Chancery street, southwest corner of Elm	
Chancery street, west side, south of Parker, 176 feet.....	
Chancery street, west side, north of Parker, 650 feet	
Chepachet street, northwest corner of Court.....	
Chepachet street, west side, south of Kempton, 531 feet....	
Cherry street, southeast corner of Seventh. Flush	
Chestnut street, southwest corner of North. Flush.....	

Chestnut street, west side, north of Campbell, 96 feet....
 Chestnut street, southwest corner of Merrimac.....
 Church street, west side, north of Belleville road, 300 feet..
 Church street, southwest corner of Nash road.....
 Church street, southwest corner of Hathaway avenue.....
 Church street, west side, north of Coffin avenue, 591.4 feet..
 Clark street, southwest corner of State.....
 Clark street, south side, west of County, 218 feet.....
 Clay street, northwest corner of Columbia.....
 Cleveland street, northwest corner of Ruth.....
 Cleveland street, west side, south of Ruth, 478 feet.....
 Clinton street, south side, west of County, 224.6 feet.....
 Clinton street, south side, west of Ash, 242.5 feet.....
 Coffin avenue, southwest corner of Church.....
 Coffin avenue, south side, opposite Oneko Lane.....
 Coffin avenue, southeast corner of Front.....
 Coffin avenue, southwest corner of Belleville avenue.....
 Coffin avenue, northwest corner of Riverside avenue.....
 Coffin avenue, south side, east of Riverside avenue, 227 feet
 Coffin avenue, north side, east of Riverside avenue, 414 feet
 Coffin street, southwest corner of Water.....
 Coffin street, north side, east of Water, 262 feet,
 Coggeshall street, south side, east of Mitchell, 654 feet....
 Coggeshall street, south side, east of Mitchell, 498 feet..
 Coggeshall street, south side, east of Mitchell, 334 feet....
 Coggeshall street, north side, east of Mitchell, 148 feet....
 Coggeshall street, southeast corner of Belleville avenue....
 Coggeshall street, southwest corner of Front.....
 Coggeshall street, southwest corner of Purchase.....
 Coggeshall street, southeast corner of County.....
 Coggeshall street, south side, west of County 383 feet....
 Coggeshall street, south side, west of Jean, 203 feet.....
 Collette street, south side, east of Church, 580 feet.....
 Collette street, south side, east of Bowditch, 238 feet.....
 Collette street, south side, east of Acushnet avenue, 275 ft..
 Collins street, southeast corner of Glover.....
 Columbia street, southwest corner of Allen.....
 Commercial street, north side, east of Front, 82 feet.....
 Cottage road, south side, west of Bolton road, 435 feet.....
 Cottage street, southwest corner of Bay.....
 Cottage street, northwest corner of Allen.....
 Cottage street, northwest corner of Bedford. Flush.....
 Cottage street, southwest corner of Arnold.....

Cottage street, southwest corner of Union.....	
Cottage street, southwest corner of Court.....	
Cottage street, southwest corner of Kempton.....	
Cottage street, southwest corner of Mill.....	
Cottage street, southwest corner of North.....	
Cottage street, southwest corner of Hillman.....	
Cottage street, northwest corner of Sycamore.....	
Cottage street, northwest corner of Parker.....	
Cottage street, west side, north of Locust, 237 feet.....	
Cottage street, southwest corner of Durfee.....	
County street, southwest corner of Tallman.....	
County street, southwest corner of Sawyer.....	
County street, southeast corner of Penniman.....	
County street, west side, south of Clark, 234.5 feet.....	
County street, west side, south of Weld, 115 feet.....	
County street, southwest corner of Austin.....	
County street, west side, head of School.....	
County street, southwest corner of Madison.....	
County street, southwest corner of Hawthorn.....	
County street, northwest corner of Allen	
County street, southwest corner of Grinnell.....	
County street, northwest corner of South.....	
County street, northwest corner of Cove road.....	
Court street, southwest corner of Orchard.....	
Court street, southeast corner of Cedar	
Court street, northeast corner of Ash.....	
Court street, southwest corner of Emerson.....	
Court street, south side, west from Park, 304 feet. Flush..	
Court street, south side, head of Jenney.....	
Court street, south side, east of Reed, 300 feet.....	
Cove road, southwest corner of West French avenue.....	
Cove road, southwest corner of Shore street.....	
Cove road, north side, west of County, 365 feet.....	
Cove street, southwest corner of Cleveland avenue.....	
Cove street, southwest corner of Harrison avenue.....	
Cove street, southwest corner of Salisbury.....	
Cove street, southwest corner of Viall.....	
Cove street, southwest corner of McGurk.....	
Cove street, southwest corner of West French avenue....	
Cove street, southeast corner of Stapleton.....	
Cove street, southeast corner of County.....	
Crapo street, west side, south of Washington, 343 ft. Flush	
Crapo street, west side, south of Rockland, 225 feet.....	

FIRE DEPARTMENT.

57

Crapo street, west side, south of Thompson, 160 feet.....
 Dartmouth street, east side, southwest of Orchard, 110 ft.
 Dartmouth street, east side, south of Hickory, 125 feet....
 Dartmouth street, east side, south of Rockland, 260 feet..
 Dartmouth street, east side, south of Thompson, 99 feet....
 Dartmouth street, southeast corner of Larch.....
 Dartmouth street, northeast corner of Dunbar.....
 David street, south side, west of Brock avenue, 289 feet..
 Davis street, southwest corner of Riverside avenue.....
 Davis street, south side, east of Front, 321.8 feet.....
 Davis street, southwest corner of Front.....
 Davis street, south side, east of Church, 555 feet.....
 Dean street, southwest corner of Belleville avenue.....
 Dean street, southeast corner of Front.....
 Delano street, southwest corner of Water
 Delano street, southeast corner of Acushnet avenue.....
 De Wolf street, west side, north of Durfee, 229 feet.....
 Diman street, southwest corner of Whitman.....
 Diman street, west side, south of Whitman, 149 feet
 Division street, southeast corner of Second.....
 Division street, southeast corner County.....
 Division street, south side, west of County, 527 feet.....
 Division street, south side, east of Crapo, 6 feet.....
 Dudley street, south side, east of West French av., 122 ft.
 Dudley street, south side, west of Brock avenue, 607 feet..
 Dunbar street, southwest corner of Hemlock.....
 Durfee street, southwest corner of Cedar.....
 Durfee street, southwest corner of Bullock.....
 Durfee street, southwest corner of Shawmut avenue.....
 Durfee street, south side, west of Shawmut avenue, 186.6 ft.
 Earle street, southwest corner of Riverside avenue.....
 Earle street, south side, west of Belleville avenue, 135 feet.
 Earle street, south side, east of Acushnet avenue, 274.2 feet
 East French avenue, west side, south of Cove, 807.2 feet..
 East French avenue, northwest corner of Abbott.....
 Edward street, south side, east of Field, 90 feet.....
 Edward street, south side, west of Dartmouth street, 157 ft.
 Elm street, southwest corner of Purchase.....
 Elm street, southwest corner of Pleasant.....
 Elm street, southwest corner of Eighth.....
 Elm street, southwest corner of Summer. Flush.....
 Elm street, southwest corner of Florence.....
 Elm street, southeast corner of Palmer.....

Emerson street, west side, north of Arnold, 173.8 feet....
 Eugenia street, south side, east of Diman, 464 feet.....
 Fair street, southwest corner of Briggs.....
 Field street, northwest corner of Stowell.....
 Fifth street, southwest corner of Union.....
 Fifth street, southwest corner of School.....
 Fifth street, west side, south of Madison, 245 feet. Flush..
 Fifth street, northwest corner of Wing.....
 Fifth street, northwest corner of Grinnell.....
 First street, southwest corner of Spring. Flush.....
 First street, west side, south of School, 109 feet. Flush....
 First street, west side, south of Howland, 185 feet. Flush..
 First street, northwest corner of Potomska.....
 First street, west side, north of Jennings court, 29 feet....
 First street, west side, south of Cove, 141 feet.....
 Florence street, southwest corner of Hillman.....
 Florence street, northwest corner of Mill.....
 Florence street, West side, south of Kempton, 199.6 feet..
 Florence street, southwest corner of Morgan.....
 Forest street, south side, west of County, 90 feet. Flush..
 Foster street, southwest corner of High.....
 Fourth street, southwest corner of Union. Flush.....
 Fourth street, west side, north of School, 106 feet. Flush..
 Fourth street, west side, south of Madison, 210 feet.....
 Fourth street, east side, opposite Washington.....
 Fourth street, northwest corner of Rockland. Flush.....
 Fourth street, west side, south of Potomska, 61 feet.....
 Franklin street, southwest corner of Purchase.....
 Franklin street, southwest corner of Pleasant. Flush....
 Franklin street, southwest corner of State.....
 Front street, southwest corner of Whitman.....
 Front street, west side, south of Whitman, 393 feet.....
 Front street, southwest corner of Holly.....
 Front street, west side, south of Washburn, 319 feet. Flush
 Front street, southwest corner of Logan.....
 Front street, west side, south of Logan, 190.2 feet.....
 Front street, west side, south of Logan, 383 feet.....
 Front street, west side, north of Wamsutta, 235.2 feet....
 Front street, southeast corner of Wamsutta.....
 Front street, east side, foot of Middle. Flush.....
 Front street, southwest corner of Middle.....
 Front street, southwest corner of Hazard's lane. Flush....

Front street, northwest corner of Rodman.....	
Front street, southwest corner of Centre. Flush	
Front street, west side, south of Commercial, 86 feet. Flush	
Front street, northwest corner of lane head of Merrill's	
Wharf. Flush.	
Front street, west side, south of Howland, 268 feet.....	
Front street, southwest corner of Grinnell.....	
Front street, west side, south of South, 330 feet.....	
Front street, southwest corner Rivet street.....	
Front street, west side, north of Delano, 191 feet.....	
Front street, west side, south of Delano, 200 feet.....	
Fruit street, south side, east of Hemlock, 126.5 feet.....	
Fruit street, south side, west of Mulberry, 25.5 feet.....	
Gifford street, south side, east of Water, 274 feet.....	
Gifford street, south side, west of Harbor, 167.8 feet.....	
Gifford street, southeast corner of Harbor.....	
Gifford street, south side, east of Harbor, 299.3 feet.....	
Grand street, south side, west of Shawmut avenue, 750 feet	
Granfield street, west side, north of Coggeshall, 263 feet....	
Grape street, south side, west of Lewis, 131 feet.....	
Grape street, southwest corner of Small.....	
Grape street, southwest corner of Devoll.....	
Grape street, south side, west of Rural, 137 feet.....	
Griffin street, southwest corner of Second. Flush.....	
Grinnell street, south side, west of Acushnet avenue, 76	
feet. Flush	
Grinnell street, south side, east of Crapo, 103 feet. Flush..	
Grinnell street, southwest corner of Orchard.....	
Grove street, southwest corner of Anthony.....	
Grove street, southwest corner of Cottage.....	
Harbor street, east side, north of Cove, 195 feet.....	
Harbor street, east side, north of Cove, 372 feet.....	
Harbor street, east side, north of Cove, 540 feet.....	
Harbor street, east side, south of Gifford, 195.8 feet.....	
Harmony street, southwest corner of Social.....	
Harrison street, southwest corner of Hickory.....	
Hathaway street, south side, east of Front street, 260 feet..	
Hathaway street, southwest corner of Front.....	
Hathaway street, south side, east of Church street, 331	
feet	

Hawthorn street, southwest corner of Cottage.....	
Hawthorn street, southeast corner of Page. Flush.....	
Hawthorn street, south side, east of Tremont, 147 feet....	
Hawthorn street, southwest corner of Brigham.....	
Hawthorn street, south side, west of Brigham, 301 feet....	
Hazard street, south side, west of State, 140 feet. Flush..	
Hazard street, southwest corner of Pleasant. Flush.....	
Hazard street, southwest corner of Purchase.....	
Hemlock street, west side, south of Rockland, 231 feet....	
Hicks street, south side, east of Acushnet avenue, 276 feet	
High street, south side, east of Acushnet avenue, 43 feet.	
Flush	
High street, southwest corner of Purchase.....	
High street south side, east of County, 177 feet. Flush....	
Highland street, west side, north of Durfee, 418.4 feet....	
Hillman street, southwest corner of Second. Flush.....	
Hillman street, southwest corner of Purchase.....	
Hillman street, southwest corner of Pleasant.....	
Hillman street, head of State.....	
Hillman street, head of Thomas	
Hillman street, southwest corner of Chancery.....	
Hillman street, south side, east of Newton, 92 feet.....	
Hillman street, south side, east of Florence, 609.5 feet....	
Hillman street, southwest corner of Lindsey.....	
Hillman street, southeast corner of Rockdale avenue....	
Holly street, southwest corner of Belleville avenue.....	
Holly street, southwest corner of Bowditch.....	
Holly street, southeast corner of Brook.....	
Hollyhock street, south side, east of Field, 410 feet.....	
Homer street, southwest corner of Locust.....	
Howard avenue, southwest corner of Belleville avenue....	
Howland street, northeast corner of Second. Flush.....	
Howland street, south side, west of Prospect, 19.2 feet.....	
Hunter street, southwest corner of Hillman.....	
Independent street, south side, west of County, 480 feet..	
Independent street, southeast corner of Crapo.....	
Irving court, north end of Court. Flush.....	
James street, west side, north of Arnold, 107 feet.....	
James street, southwest corner of Court.....	

Jenney Lind street, southwest corner of Hillman.....	
Jenney Lind street, west side, north of Kempton street, 1167 feet.....	
Jouvette street, south side, west of County, 372 feet.....	
Katherine street, southeast corner of Crapo.....	
Katherine street, south side, west of County, 442 feet.....	
Keene street, south side, west of Park, 434 feet.....	
Kempton street, southwest corner of Purchase.....	
Kempton street, southwest corner of Pleasant.....	
Kempton street, south side, opposite Hill.....	
Kempton street, southwest corner of County.....	
Kempton street, southwest corner of Summer.....	
Kempton street, southwest corner of Emerson. Flush....	
Kempton street, southwest corner of Park.....	
Kempton street, southwest corner of Liberty.....	
Kempton street, southeast corner of Jenney. Flush.....	
Kempton street, south side, west of Hunter, 50 feet.....	
Kempton street, southwest corner of Rockdale avenue....	
Kempton street, southeast corner of Chepachet.....	
Kempton street, south side, opposite Jenney Lind street....	
Kenyon street, south side, west of Front street, 378 feet....	
Kilburn street, north side, east of Front, 244 feet.....	
Kilburn street, north side, east of Front, 581 feet.....	
Larch street, south side, east of Mullberry, 120 feet.....	
Larch street, south side, east of Hemlock, 129 feet.....	
Leonard street, south side, east of Water, 216 feet. Flush..	
Liberty street, west side, south of Kempton, 339 feet. Flush	
Liberty street, west side, north of Court, 164 feet.....	
Lincoln street, west side, south of Union, 171 feet. Flush	
Linden street, southwest corner of Purchase.....	
Linden street, south side, west of State, 13.5 feet.....	
Linden street, south side, west of County, 169 feet.....	
Linden street, south side, west of Reynolds, 67.5 feet..	
Linden street, south side, east of Ashland, 6.5 feet.....	
Lindsey street, west side, south of Kempton, 173 feet....	
Lindsey street, northwest corner of Morgan.....	
Locust street, southwest corner of County.....	
Locust street, southwest corner of Chestnut.....	
Locust street, southwest corner of Richmond.....	
Logan street, south side, east of Acushnet av., 400 ft. Flush	
Logan street, south side, opposite Bowditch.....	
Logan street, southeast corner of Purchase.....	
Lombard street, west side, north of Thompson. 107 feet..	

Lucas street, south side, west of Brock avenue, 275 feet..	
Madison street, southwest corner of First. Flush.....	
Madison street, southwest corner of Water.....	
Madison street, southwest corner of Sixth.....	
Maitland street, southwest corner of Cedar.....	
Manomet street, south side, east of Riverside av, 208 feet..	
Maple street, southwest corner of Cottage.....	
Maxfield street, southwest corner of Second.....	
Maxfield street, southwest corner of Purchase.....	
Maxfield street, southwest corner of Pleasant.....	
Maxfield street, southwest corner of Foster.....	
Maxfield street, southwest corner of County.....	
Maxfield street, southwest corner of Chestnut.....	
Maxfield street, southeast corner of Spruce. Flush.....	
Maxfield street, southeast corner of Ash.....	
Maxfield street, south side, east of Chancery, 44.4 feet....	
Maxfield street, south side, east of Beech street, 127 feet..	
McGurk street, west side, north of Brock avenue, 348 feet.	
Mechanics lane, northwest corner of Purchase.....	
Mechanics lane, north side, east of Eighth, 206 feet. Flush.	
Merrimac street, southwest corner of Purchase.....	
Merrimac street, southwest corner of State.....	
Merrimac street, southwest corner of Summer.....	
Middle street, southwest corner of Water.....	
Middle street, southwest corner of Second.....	
Middle street, southwest corner, of Acushnet avenue.....	
Middle street, southwest corner of Purchase.....	
Middle street, southwest corner of Pleasant.....	
Middle street, southwest corner of Sixth.....	
Middle street, southwest corner of County.....	
Middle street, south side, east of Cedar, 371 feet. Flush...	
Middle street, southeast corner of Chancery. Flush.....	
Mill street, southwest corner of Purchase.....	
Mill street, south side, west of Hill, 191 feet.....	
Mill street, south side, west of Ash, 45 feet. Flush.....	
Mill street, south side, east of Park, 104 feet.....	
Mill street, southeast corner of Newton.....	
Mill street, southeast corner of Summit.....	
Milton street, south side, west of Rockdale avenue, 85 feet	
Mitchell street, northwest corner of Coggeshall.....	
Mitchell street, west side, north of Coggeshall, 178.8 ft....	
Mitchell street, west side, south of Sawyer, 345 feet.....	

Mitchell street, southwest corner of Sawyer.....	
Moorland Terrace, southwest corner of Ash.....	
Morgan street, southwest corner of County.....	
Morgan street, southwest corner of Cottage. Flush.....	
Morton's court, west side, north of Cove, 385.3 feet.....	
Mosher street, south side, west of County, 517 feet.....	
Mosher street, southeast corner of Crapo.....	
Mt. Pleasant street, west side, south of Tarkiln hill rd., 35 feet.....	
Mt. Pleasant street, west side, north of Nash road, 1,671 feet	
Mt. Pleasant street, west side, north of Nash road, 348 feet	
Mt. Pleasant street, west side, north of railroad fence, 285 feet	
Mt. Pleasant street, west side, south of Hathaway road, 40 feet	
Mt. Pleasant street, west side, north of Peckham-West cemetery, 277 feet.....	
Mt. Pleasant street, west side, south of Peckham-West cemetery, 74 feet.....	
Mt. Pleasant street, west side, north of reservoir, 837 feet..	
Mt. Pleasant street, west side, north of reservoir, 450 feet..	
Mt. Pleasant street, west side, north of reservoir, 40 feet...	
Mt. Pleasant street, west side, south of Peckham, 217 feet	
Mt. Vernon street, southwest corner of Mt. Pleasant.....	
Mt. Vernon street, southeast corner of Vine. Flush.....	
Mt. Vernon street, south side, east of Shawmut avenue, 241 feet	
Myrtle street, west side, south of Weld, 22 feet.....	
Myrtle street, southwest corner of Clark	
Myrtle street, west side, north of Clark street, 274 feet....	
Nelson street, south side, west of County, 541.6 feet.....	
Nelson street, south side, west of County, 814 feet.....	
Newton street, northwest corner of Elm.....	
Norman street, south side, east of Brock avenue, 341 feet...	
North street, southeast corner of Second.....	
North street, southwest corner of Acushnet avenue.....	
North street, southwest Corner of Purchase.....	
North street, northwest corner of Pleasant.....	
North street, southwest corner of Foster.....	
North street, southwest corner of Hill.....	

North street, southwest corner of County.....	
North street, southwest corner of Emerson.....	
North street, southwest corner of Park.....	
North street, south side, west of Newton, 258 feet.....	
North street, southwest corner of Hunter.....	
North street, southwest corner of Beech.....	
Nye street, southwest corner of Belleville avenue.....	
Nye street, southwest corner of Front.....	
Nye street, south side, west of Acushnet avenue, 311.7 feet	
Oak street, southwest corner of Harrison.....	
Oak street, northwest corner of Grape.....	
Oak street, southwest corner of Allen.....	
Ocean street, west side, south of Arnold, 184.5 feet.....	
Orchard street, southwest corner of Madison.....	
Orchard street, southwest corner of Grove.....	
Orchard street, west side, north of Rockland, 98 feet.....	
Palmer street, northwest corner of Union.....	
Palmer street, west side, south of Elm street, 195 feet.....	
Park place, south side, west of Sixth, 306 feet. Flush.....	
Park street, southwest corner of Maxfield.....	
Park street, southwest corner of Hillman.....	
Park street, west side, south of Kempton, 339 feet.....	
Park street, northwest corner of Court.....	
Park street, west side, north of Arnold, 263 feet.....	
Parker street, south side, at Oak Grove Cemetery.....	
Parker street, southwest corner of Summer. Flush.....	
Parker street, southwest corner of County.....	
Pearl street, southwest corner of Pleasant.....	
Pearl street, southwest corner of Purchase.....	
Perry street, southwest corner of Kearsarge.....	
Phillips avenue, south side, east of Oneko lane.....	
Phillips avenue, south side, east of Acushnet avenue, 173 feet	
Phillips avenue, southwest corner of Riverside avenue.....	
Pierce street, west side, north of Court, 253.7 feet.....	
Pine street, northwest corner of Cross. Flush.....	
Plainville road, south side, east of Shawmut avenue, 705 feet	
Plainville road, south side, east of Shawmut avenue, 1,139 feet	
Plainville road, south side, east of Shawmut avenue, 2,317 feet	

Plainville road, south side, east of Shawmut avenue, 3,113 feet	
Plainville road, south side, east of Shawmut avenue, 3,920 feet	
Pleasant street, northwest corner of Market.....	
Pleasant street, west side, north of William, 21.5 feet....	
Pleasant street, east side, foot of Sycamore.....	
Pleasant street, northwest corner of Pope. Flush.....	
Pleasant street, northwest corner of Austin. Flush.....	
Pleasant street, southwest corner of Linden. Flush.....	
Pleasant street, southwest corner of Weld.....	
Plummer avenue, southwest corner of Riverside avenue....	
Plummer avenue, south side, east of Belleville avenue, 177 feet	
Pope street, southwest corner of Purchase.....	
Pope street, south side, opposite North Oak.....	
Pope street, southwest corner of Summer.....	
Poplar road, south side, west of Bolton road, 431 feet.....	
Potomska street, a group of three post hydrants located about 300 feet east of Prospect and 91 feet north of south line of Potomska street.....	
Potter street, south side, east of Shawmut avenue, 403 feet	
Prospect street, west side, north of Grinnell, 275.2 feet....	
Prospect street, northwest of Grinnell.....	
Prospect street, west side, north of Potomska, 324.5 feet....	
Prospect street, northwest corner of Potomska.....	
Purchase street, northwest corner of Dean.....	
Purchase street, west side, opposite Oneko mill.....	
Purchase street, east side, opposite Clark.....	
Purchase street, west side, south of Campbell, 348 feet....	
Purchase street, northwest corner of Union. Flush.....	
Purchase avenue, northeast corner of Purchase.....	
Reed street, west side, north of Court, 145 feet.....	
Reed street, southwest corner of Elm.....	
Reed street, southwest corner of Middle.....	
Reynolds street, southwest corner of Weld.....	
Reynolds street, west side, south of Clark, 17.9 feet.....	
Reynolds street, southwest corner of Cedar Grove street...	
Richmond street, southwest corner of Maitland.....	
Riverside avenue, west side, opposite Manomet street.....	
Rivet street, southwest corner of Second. Flush.....	
Rivet street, southwest corner of County.....	

Rivet street, southwest corner of Bonney.....	
Rivet street, south east corner of Bolton road.....	
Rivet street, southwest corner of Hemlock.....	
Robeson street, southwest corner of County.....	
Robeson street, southwest corner of Ashland.....	
Robeson street, southeast corner of Cottage.....	
Robeson street, southeast corner of Cedar.....	
Robeson street, south side, west of Cedar, 424 feet.....	
Rockdale avenue, southwest corner of Bolton road.....	
Rockdale avenue, south side, west of Bolton road, 327 feet..	
Rockdale avenue, southwest corner of Grant street.....	
Rockdale avenue, west side, north of Lexington street 128 feet	
Rockland street, southwest corner of County.....	
Rockland street, southeast corner of Hall.....	
Rockland street, south side, west of Orchard, 13 feet.....	
Rockland street, south side, east of Hemlock, 179.3 feet....	
Rockland street, southwest corner of Lombard.....	
Rotch street, west side, south of Union, 213.7 feet.....	
Rounds street, northwest corner of Elm.....	
Rural street, southwest corner of Allen.....	
Russell street, south side, east of Fifth, 92 feet. Flush....	
Russell street, southwest corner of Sixth.....	
Salisbury street, northwest corner of Ruth.....	
Sawyer street, south side, west of County, 644 feet.....	
Sawyer street, southwest corner of Purchase.....	
Sawyer street, south side, opposite Brook.....	
Sawyer street, southwest corner of Bowditch.....	
Sawyer street, southwest corner of Acushnet avenue.....	
Sawyer street, southeast corner of Belleville avenue.....	
Sawyer street, north side, east of Mitchell, 169 feet.....	
Sawyer street, south side, east of Mitchell, 418.8.....	
Sawyer street, north side, east of Belleville ave., 750 feet..	
Sawyer street, south side, east of Mitchell street, 690 feet..	
School street, southwest corner of Sixth.....	
Scott street, south side, west of County, 494 feet.....	
Sears court, southwest corner of Purchase street. Flush..	
Second street, northwest corner of Mill. Flush.....	
Second street, west side, south of Elm, 52 feet.....	
Second street, west side, south of Spring, 74 feet. Flush..	
Second street, northwest corner of Coffin. Flush.....	
Second street, west side, at head of Morgan's lane.....	
Second street, west side, north of Grinnell, 61 feet. Flush..	

Second street, west side, north of Potomska, 232 feet.....
 Second street, west side, south of Potomska, 122 feet.....
 Second street, west side, south of Blackmer, 188 feet.....
 Seventh street, southwest corner of Union.....
 Seventh street, west side, north of Madison, 50 feet.

Flush

Shawmut avenue, southwest corner of Willis.....
 Shawmut avenue, southwest corner of Parker.....
 Shawmut avenue, west side, head of Locust.....
 Shawmut avenue, southwest corner of Robeson.....
 Shawmut avenue, west side, north of Austin, 195 feet.....
 Shawmut avenue, west side, north of Durfee, 497 feet.....
 Shawmut avenue, southwest corner of Grand.....
 Shawmut avenue, west side, north of Grand, 363 feet.....
 Shawmut avenue, west side, opposite Topham street.....
 Shawmut avenue, northwest corner of Plainville road.....
 Sherman street, south side, west of County, 314 feet.

Flush

Shore street, west side, south of Cove road, 264 feet.....
 Sisson street, northwest corner of Union.....
 Sisson street, west side, north of Arnold, 142 feet.....
 Sixth street, west side, north of Grinnell, 194 feet.....
 Smith street, southwest corner of County.....
 Smith street, southwest corner of Chestnut.....
 Smith street, southeast corner of Spruce.....
 Smith street, southeast corner of Shawmut avenue.....
 Smith street, south side, east of Park, 5 feet.....
 South street, south side, east of Crapo, 357 feet.....
 South street, southwest corner of Acushnet avenue.....
 South street, southwest corner of Second.....
 South street, southwest corner of First.....
 South street, southwest corner of Water.....
 South street, southwest corner of Prospect.....
 Spring street, southwest corner of Water.....
 Spring street, southeast corner of Acushnet avenue.....
 Spring street, southeast corner of Fifth. Flush.....
 Spring street, southwest corner of Seventh.....
 State street, southwest corner of Sycamore.....
 State street, southwest corner of Pearl. Flush.....
 Stone street, west side, south of Allen, 208.6 feet.....
 Stowell street, south side, east of Field, 153 feet.....
 Summer street, northwest corner of North. Flush.....
 Summer street, northwest corner of Hillman. Flush.....

Summer street, southwest corner of Willis. Flush.....	
Summer street, southwest corner of Locust.....	
Sycamore street, southwest corner of Thomas. Flush.....	
Sycamore street, southwest corner of Summer. Flush.....	
Sycamore street, southwest corner of Chancery.....	
Taber street, southwest corner of Page.....	
Taber street, south side, west of Page, 428.7 feet.....	
Tallman street, southwest corner of Belleville avenue....	
Tallman street, southwest corner of Front.....	
Thatcher street, northwest corner of Grit	
Thompson street, southeast corner of Bourne.....	
Thompson street, southwest corner of Hemlock.....	
Thompson street, south side, east of Hemlock, 99.6 feet....	
Thompson street, south side, west of Bonney, 302 feet....	
Thompson street, south side, east of Hall, 20 feet.....	
Thompson street, southwest corner of County.....	
Tinkham street, south side, east of Acushnet avenue, 239.2 feet	
Tinkham street, south side, west of Bowditch, 314 feet....	
Topham street, south side, east of Shawmut avenue, 647 feet	
Tremont street, southwest corner of Union.....	
Tremont street, northwest corner of Maple.....	
Trinity street, south side, west of Cedar, 264 feet.....	
Trinity street, south side, east of Shawmut avenue, 203 feet	
Union street, southwest corner of Front.....	
Union street, southwest corner of Water.....	
Union street, southwest corner of First.....	
Union street, southwest corner of Second.....	
Union street, southwest corner of Acushnet avenue.....	
Union street, southwest corner of Sixth.....	
Union street, southwest corner of County.....	
Union street, southeast corner of Emerson.....	
Union street, southwest corner of Ocean.....	
Union street, southeast corner of Rotch.....	
Valentine street, south side, west of Brock avenue, 621 feet	
Valentine street, south side, east of West French avenue, 142 feet	
Viall street, northwest corner of Ruth street.....	
Vine street, west side, north of Durfee, 215 feet.....	
Walden street, southwest corner of Maxfield. Flush.....	

Wall street, south side, east of Acushnet avenue, 165 feet.

Flush

Wall street, southeast corner of Acushnet avenue.....

Walnut street, northwest corner of Front.....

Walnut street, southwest corner of Water.....

Walnut street, southwest corner of Second. Flush.....

Walnut street, southwest corner of Fourth.....

Walnut street, southwest corner of Seventh.....

Wamsutta street, south side, west of Front, 200 feet.....

Wamsutta street, south side, west of Front, 372 feet.....

Wamsutta street, south side, east of Acushnet avenue, 286 feet

Ward street, southwest corner of Bay.....

Ward street, west side, north of Allen, 195 feet.....

Warren street, southwest corner of Brock avenue.....

Washburn street, southeast corner of Acushnet avenue....

Washburn street, south side, west of North Front, 228 feet.

Washington street, southwest corner of County.....

Washington street, southwest corner of Crapo.....

Washington street, south side, west of Orchard, 102 feet...

Washington street, southeast corner of Dartmouth. Flush...

Water street, southwest corner of Hillman. Flush.....

Water street, southwest corner of North.....

Water street, northwest corner of High.....

Water street, southwest corner of Elm. Flush.....

Water street, west side, north of Center, 46 feet. Flush....

Water street, southwest corner of School.....

Water street, west side, head of Pine.....

Water street, west side, head of Leonard.....

Water street, southwest corner of Howland.....

Water street, northwest corner of Grinnell.....

Water street, northwest corner of Potomska.....

Water street, west side, south of Potomska, 266 feet.....

Water street, northwest corner of Riven.....

Water street, southwest corner of Blackmer.....

Water street, northwest corner of Delano.....

Water street, west side, head of Gifford.....

Weld street, southeast corner of Mt. Pleasant.....

Weld street, southwest corner of State.....

Whitman street, south side, east of Diman, 166 feet.....

Willard street, south side, west of Brock avenue, 560 feet..

Willard street, south side, east of West French avenue, 101 feet.....

William street, southwest corner of Bethel.....	
William street, southwest corner of Second.....	
William street, southwest corner of Purchase.....	
William street, southwest corner of Sixth.....	
William street, southwest corner of Eighth.....	
Willis street, southwest corner of Acushnet avenue.....	
Willis street, southwest corner of Purchase.....	
Willis street, southeast corner of Pleasant.....	
Willis street, southwest corner of State.....	
Willis street, southwest corner of County.....	
Willis street, southwest corner of Cottage.....	
Willis street, south side, west of Cedar, 200 feet.....	
Willow street, southwest corner of Cottage.....	
Willow street, south side, west of Cedar, 224 feet.....	
Willow street, southeast corner of Shawmut avenue.....	
Wing street, southwest corner of Fourth.....	
Wing street, southwest corner of Sixth.....	
Windsor street, southwest corner of County.....	
Windsor street, south side, west of County, 455.5 feet.....	
Windsor street, southeast corner of Crapo.....	
Wood street, south side, west of Acushnet avenue, 366 feet.	
Woodlawn street, south side, west of Brock avenue, 636 feet	
Woodlawn street. south side, east of West French avenue, 134 feet.....	

Number of flush hydrants.....	103
Number of post hydrants.....	685
Total number of hydrants.....	788

Location of Reservoirs.

Durfee street, southeast corner of Shawmut avenue.
Linden street, northeast corner of Ashland.
Franklin street, southwest corner of State.
Willis street, northeast corner of State.
Campbell street, west side of Purchase.
Smith street, southeast corner of Cottage.
County street, southeast corner of Maxfield.
Chestnut street, between Mill and North.
Middle street, near southeast corner of Purchase.
Middle street, west of Grammar School.
County street, front of M. E. Church.
North Second street, northwest corner of William.
City Hall Square, west of hall.
Court street, near head of Orchard.
School street, northwest corner of Fourth.
South Second street, northwest corner of Walnut.
South Sixth street, northwest corner of Walnut.
Orchard street, east side, below Hawthorn.
Russell street, between County and Sixth.
Acushnet avenue, southeast corner of Cannon.
Bedford street, southeast corner of Fifth.
South Sixth street, southwest corner of Wing.
Acushnet avenue, southeast corner of Grinnell.
Washington street, northeast corner of Crapo.

IN BOARD OF ALDERMEN,

February 11, 1904.

Received, ordered printed in the City Documents and
sent down for concurrence.

D. B. LEONARD, City Clerk.

IN COMMON COUNCIL,

February 11, 1904.

Concurred.

W. H. B. REMINGTON, Clerk.

1904. CITY DOCUMENT. No. 6.

ANNUAL REPORT

OF THE

SCHOOL COMMITTEE

OF THE

CITY OF NEW BEDFORD.

TOGETHER WITH THE

Superintendent's Annual Report

FOR THE YEAR 1903.

NEW BEDFORD, MASS.
THE A. E. COFFIN PRESS, CITY PRINTERS,
1904.

IN SCHOOL COMMITTEE.

December 31, 1903.

Voted, That the Secretary prepare the Annual Report of the School Board for the year 1903, and that 2,500 copies of the same be printed.

Report of the Secretary.

By direction of the School Committee, I submit to our fellow citizens the following report for the year 1903.

STATISTICS.

I. POPULATION AND VALUATION.

The population of the city (census of 1890) was	40,705
The population of the city (census of 1895) was	55,251
The population of the city (census of 1900) was	62,442
Valuation of the taxable property (1903) was	\$62,246,300
School houses and lots,	1,108,363
Other school property,	80,000

II. APPROPRIATION.

Rate of taxation,	\$18.00
Amount for school purposes, not including new buildings,	270,623.12

III. SCHOOL CENSUS.

School census, September 1902, (children between five and fifteen years of age),	11,840
School census, September 1903, (children between five and fifteen years of age),	12,566
Increase as shown by the returns,	726

SCHOOL CENSUS BY WARDS.

	1902	1903		
Ward One,	3,335	3,688	increase	353
Ward Two,	1,451	1,587	increase	136
Ward Three,	879	850	decrease	29
Ward Four,	820	840	increase	20
Ward Five,	1,536	1,590	increase	54
Ward Six,	3,819	4,011	increase	192

Location of children between five and fifteen years of age, as to school attendance, as reported by the census enumerators.

	Attending Public Schools.	Attending Private Schools.	Attending No School.
Ward One,	1,953	1,293	442
Ward Two,	793	769	25
Ward Three,	600	158	92
Ward Four,	801	38	1
Ward Five,	1,269	153	168
Ward Six,	2,856	780	375

Children reported as attending no school are presumably those who are between five and seven years of age, and those over fourteen.

IV. SCHOOL ORGANIZATION.

High School,	1
Normal and Training school for teachers,	1
Grammar schools,	5
Primary schools,	15
Kindergartens,	3
Mixed school — Grammar and primary,	1
Ungraded schools,	5
Cooking school,	1
Manual Training school,	1
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V. SCHOOL BUILDINGS.

Permanent schoolhouses,	27
Portable schoolhouses,	3
Buildings hired for schools,	4
	<hr/> 34

Rooms used for school purposes (day schools) including halls and recitation rooms.

High school,	20
Normal and Training school,	11
Grammar schools,	62
Primary schools,	125
Ungraded schools,	10
Manual Training school,	1
Cooking school,	1
Kindergartens,	6
Rooms unoccupied,	3
Total,	<u>238</u>

Rooms used for both day and evening schools, 50

VI. SEATS.

	Seats Occupied.	Seats Unoccupied.
High school,	492	0
Normal and Training school,	405	40
Grammar schools,	2,173	676
Primary schools,	4,819	1,018
Ungraded schools,	186	113
	<u>8,075</u>	<u>1,847</u>

VII. TEACHERS.

Whole number in service, 1903:

High school,	18
Normal and Training school : Regular teachers,	9
“ “ “ “ Pupil teachers, seniors,	14
Grammar schools,	63
Primary schools,	123
Kindergartens,	6
Country schools (ungraded),	10
Special teachers,	9
Regular substitute,	1
Evening High school,	7
Evening Drawing school,	4
Evening Elementary schools,	79
Total,	<u>451</u>

VIII. PUPILS.

DAY SCHOOLS — 1903.

From September 8, 1902, to June 26, 1903.

Whole number of pupils enrolled of all ages,	9,684
Average number of pupils belonging,	8,193
Average daily attendance,	7,448
Per cent. of attendance,	90.0
Number of half days absence,	273,481
Number cases of tardiness,	13,998
Number cases of dismissal,	20,591
Number cases of truancy reported by teachers,	270
Number cases of corporal punishment,	592
Number cases of suspension,	15
Half days absence of teachers,	1,367
Number cases of tardiness by teachers,	146
Number visits made the schools by the superintendent,	520
Number visits made the schools by the school committee,	204
Number visits made the schools by parents and others,	4,163
Number sessions schools held during year,	374

EVENING ELEMENTARY SCHOOLS.

From October 6, 1902, to February 24, 1903.

Whole number pupils enrolled,	3,021
Average number belonging,	1,746
Average nightly attendance,	1,397
Per cent. of attendance,	80.0
Total nights absence,	13,575
Number cases of tardiness,	741
Number cases of dismissal,	83
Nights absence of teachers,	44
Times teacher was tardy,	5
Number of visits by superintendent,	19
Number visits by school committee,	162
Number nights schools held in session during year,	39

SCHOOL REPORT.

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EVENING HIGH SCHOOL.

From October 6, 1902, to February 25, 1903.

Whole number pupils enrolled,	144
Average number belonging,	91
Average nightly attendance,	74
Per cent. of attendance,	81.3
Total nights absence,	992
Number cases of tardiness,	89
Number cases of dismissal,	22
Nights teacher was absent,	1
Times teacher was tardy,	1
Number visits by superintendent,	1
Number nights school held in session during year,	57

EVENING DRAWING SCHOOL.

From October 6, 1902, to February 27, 1903.

Whole number pupils enrolled,	104
Average number belonging,	69
Average nightly attendance,	48
Per cent of attendance,	69.5
Total nights absence,	820
Number visits by school committee,	4
Number nights schools held in session during year,	40

PUBLIC SCHOOLS.

	1903.	1902.		
Enrollment of pupils,	9,684	9,447	increase	237
Average number belonging,	8,193	8,104	increase	89
Average daily attendance,	7,448	7,501	decrease	53
Per cent. of attendance,	90.	92.5	decrease	2.5
Number cases absence,	273,481	222,898	increase	50,583
Number cases tardiness,	13,998	13,218	increase	780
Number cases dismissal,	20,591	44,211	decrease	23,620

PRIVATE AND PAROCHIAL SCHOOLS.

	1903.	1902.		
Enrollment of pupils,	3,350	3,641	decrease	291
Average number belonging,	3,076	3,077	decrease	1
Average daily attendance,	2,721	2,815	decrease	94
Per cent. daily attendance,	88.4	91.4	decrease	3.

PUBLIC, PRIVATE AND PAROCHIAL SCHOOLS.

	1903.	1902.		
Enrollment of pupils,	13,034	13,088	decrease	54
Average number belonging,	11,269	11,181	increase	88
Average daily attendance,	10,169	10,316	decrease	147
Per cent. daily attendance,	90.2	92.2	decrease	2.

COST OF INSTRUCTION PER SCHOLAR BY SCHOOLS.

In Table I, the cost of instruction per scholar is based upon the average number belonging to each school during the year, and the amount expended for the hire of teachers, fuel, care of schoolhouses, books and supplies, (except those furnished from the income of the Sylvia Ann Howland Educational fund and Dog fund,) the term, "care of schoolhouses" including only the salaries of janitors.

In Table II is given the cost, by departments, of each pupil, based on the average number belonging and the total amount expended for the maintenance of each department, not including the expenditures from the Sylvia Ann Howland Educational fund or Dog fund, during the year. This last computation furnishes the basis upon which tuition of non-residents will be collected.

TABLE I. The average cost of a High school

pupil,	\$61.18
Grammar school pupil,	28.05
Training school pupil,	34.65
Primary school pupil,	22.80
Ungraded school pupil,	31.92
Elementary Evening school pupil,	3.64
Evening High school pupil,	16.45
Evening Drawing school pupil,	9.22
Day School pupil,	28.51

TABLE II.

High school,	\$67.55
Harrington Normal and Training school,	39.56
Grammar schools,	30.97
Primary schools,	26.34
Ungraded schools,	41.09
Evening Elementary schools,	3.93
Evening High school,	17.56
Evening Drawing school,	10.68
Cooking school,	3.28
Manual Training school,	3.74
Average cost of a day school pupil,	30.94
Average cost of an evening school pupil, including drawing school,	4.82

RECEIPTS AND EXPENDITURES FOR 1903.

RECEIPTS — APPROPRIATIONS FROM CITY COUNCIL.

General appropriations as follows :

For teachers' salaries,	\$181,639	
For incidentals (including salary of officers, janitors, books, supplies, etc.)	74,000	
For repairs of buildings,	11,000	\$266,639

EXPENDITURES — MONEY RAISED BY TAXATION.

For teachers' salaries :

Day schools,	173,441.73	
Evening schools,	7,245.50	
		\$180,687.23
For salaries : Superintendent, clerks, truant officers and janitors,	\$28,373.11	
For books and supplies,	11,987.01	
For lighting,	1,056.11	
For fuel,	21,116.83	
For janitors' supplies,	1,082.47	
For printing and advertising,	1,828.99	
For cooking school,	236.36	
For Manual Training school,	185.47	
For freight and carting,	532.17	
For miscellaneous expenses (including rent, school furniture, etc.)	7,589.38	73,987.90
For repairs of buildings,		9,893.01
		\$264,568.14

Summary :

Receipts — Appropriations from City Council,	\$266,639.00
Expenditures — Money raised by taxation,	264,568.14
Balance December 5th, 1903, returned to City Treasurer,	\$2,070.86

Receipts from other sources:

Tuition for non-resident pupils,	\$2,362.71	
Sale of books and supplies,	46.90	
Sylvia Ann Howland Educational Fund,	4,531.68	
Dog Fund,	4,453.64	
Parker street school (special appropriation)	2,380.33	\$13,775.26

Credits:

Paid to City Treasurer and credited to Unappropriated Funds:

Tuition for non-resident pupils,	\$2,362.71	
Sale of books and supplies,	46.90	
Parker Street School (special appropriation)	1,014.25	\$3,423.86
Expenditures from Sylvia Ann Howland Educational Fund,	\$2,336.14	
Expended from the Dog Fund,	3,658.84	
Expenditures from Parker Street School, (special appropriation,)	1,366.08	\$7,361.06
		\$10,784.92

Summary:

Receipts,	\$13,775.26	
Credits and expenditures,	10,784.92	\$2,990.34

Balances carried forward to credit of School Department:

Sylvia Ann Howland Educational Fund,	\$2,195.54	
Dog Fund,	794.80	\$2,990.34

SYLVIA ANN HOWLAND EDUCATIONAL FUND.

Balance of income on hand December 1, 1902,	\$1,531.68	
Interest for the year,	3,000.00	4,531.68
Expenditures for the year,		2,336.14
Balance December 5th, 1903,		\$2,195.54

DOG FUND.

Balance December 1, 1902,	\$2,797.51	
Received February, 1903,	1,656.13	\$4,453.64
Expenditures,		3,658.84
Balance December 5th, 1903,		\$794.80

Parker Street Schoolhouse, (special appropriation.)

Debit:

Balance of special appropriation unexpended Dec. 1, 1902, \$2,380.33

Credit:

By Expenditures,	\$1,366.08	
By amount returned City Treasurer,	1,014.25	\$2,380.33

EXPENDITURES BY DEPARTMENTS.

High school :

Salaries,	\$21,413.95	
Text books,	414.05	
Stationery,	1,589.09	
Janitor's salary,	1,647.65	
Fuel,	1,609.46	
Ordinary repairs,	516.70	
Proportion of ordinary expenses,	2,262.50	29,453.40
Books and supplies from income of Howland fund,		296.01

Harrington Normal and Training school :

Salaries,	\$10,125.86	
Text books,	183.42	
Stationery,	485.51	
Janitor's salary,	815.14	
Fuel,	1,175.70	
Ordinary repairs,	898.99	
Proportion of ordinary expenses,	915.04	14,599.66
Books and supplies from income of Howland fund,		167.93

Grammar schools :

Salaries,	\$50,976.93	
Text books,	2,635.78	
Stationery,	2,478.94	
Janitors' salaries,	4,116.88	
Fuel,	5,658.62	
Ordinary repairs,	1,742.98	
Proportion of ordinary expenses,	5,110.57	\$72,720.70
Books and supplies from income of Howland fund,		1,064.49

Primary schools :

Salaries,	81,920.90	
Text books,	813.87	
Stationery,	3,625.37	
Janitors' salaries,	10,508.36	
Fuel,	11,999.66	
Ordinary repairs,	6,399.31	
Proportion of ordinary expenses,	10,470.04	125,737.51
Books and supplies from income of Howland fund,		758.18

Ungraded schools :

Salaries,	6,653.09	
Text books,	115.43	
Stationery,	205.21	
Janitors' salaries,	950.62	
Fuel,	597.35	
Ordinary repairs,	216.58	
Proportion of ordinary expenses,	2,233.73	10,972.01
Books and supplies from income of Howland fund,		49.53

Manual Training (Sloyd school :— also included in Grammar schools.)

Salary,	1,600.00	
Supplies,	12.10	
Proportion of ordinary expenses,	185.47	1,797.57

Cooking school :— (also included in Grammar and High schools.)

Salary,	751.00	
Supplies,	13.81	
Proportion of ordinary expenses,	236.36	1,001.17

Evening Elementary schools :

Salaries,	\$5,531.50	
Text books,	111.16	
Stationery,	100 10	
Janitors' salaries,	369.00	
Lighting,	247.75	
Proportion of ordinary expenses,	500.03	6,862.51

Evening Drawing school :

Salaries,	564.00	
Stationery,	72.58	
Proportion of ordinary expenses,	100.61	737.19

Evening High school :

Salaries,	1,150.00	
Books,	32.65	
Stationery,	9.27	
Janitor's salary,	122.00	
Lighting,	183 22	
Proportion of ordinary expenses,	100.61	1,597.75

SYLVIA ANN HOWLAND EDUCATIONAL FUND.

Balance of income on hand, Dec. 1, 1902,	\$1,531.68	
Interest for the year,	3,000.00	4,531.68
Expenditures for the year,		2,336.14
Balance, Dec. 5, 1903,		\$2,195.54

Disbursements to the several schools, and otherwise,
are as follows:

High school,	\$269.41
Harrington Normal and Training school,	154.63
John H. Clifford Grammar school,	259.46
Fifth Street Grammar school,	168.09
Robert C. Ingraham Grammar school,	236.17
Middle Street Grammar school,	99.97
Parker Street Grammar school,	234.30
Acushnet Avenue Primary school,	43.04
I. W. Benjamin Primary school,	80.42
Cedar Grove Street Primary school,	58.92
Cedar Street Primary school,	24.47
Clark Street Primary school,	56.00
Cannonville Primary school,	4.88
Dartmouth Street Primary school,	11.16
George H. Dunbar Primary school,	15.62
Thomas A. Greene Primary school,	96.19
Sylvia Ann Howland Primary school,	4.55
Horatio A. Kempton Primary school,	26.87
Merrimac Street Primary school,	30.77
Phillips Avenue Primary school,	35.36
Thompson street Primary school,	33.50
William H. Taylor school,	57.82
Mary B. White Primary school,	19.01
Acushnet school,	23.44
North school,	7.31
Plainville school,	2.31
Rockdale school,	14.16
South Mill school,	2.31
Office,	69.06
Pedagogical library,	8.62
Care of pianos and organs,	140.00
Sewing department,	40.91
Miscellaneous,	7.41
	<hr/>
	\$2,336.14

DETAILED STATEMENT.

Outlay of the School Committee from the income of the Sylvia Ann Howland Educational Fund from December 1, 1902, to December 5, 1903.

BOOKS AND PERIODICALS.

American Book Co.,	\$401.17	
Appleton D. & Co.,	53.31	
Babb, Edward E. & Co.,	40.85	
Boston Normal School of Gymnastics,	2.20	
Bradley, Milton Co.,	1.00	
Century Publishing Co.,	22.50	
Dodd, Mead & Co.,	106.40	
Educational Publishing Co.,	84.91	
Educational Review,	3.00	
Ginn & Company,	184.13	
Grumiaux's, F. W., Newspaper Agency,	2.25	
Harrison, William Beverly,	7.20	
Heath, D. C. & Co.,	85.51	
Holt, Henry & Co.,	10.67	
Houghton, Mifflin & Co.,	109.46	
Hutchinson, H. S. & Co.,	15.56	
Lee & Shepard,	12.00	
Lippincott, J. B. Co.,	6.40	
Longmans, Green & Co.,	117.60	
Mason, Perry & Co.,	91.38	
Merriam, G. & C. Co.,	114.25	
Morse Co., The,	115.51	
New England Publishing Co.,	5.00	
Rand, McNally & Co.,	8.64	
Revell, Fleming H. Co.,	7.00	
Scribner's Sons, Charles,	13.61	
Silver, Burdett & Co.,	58.65	
Taber, Robert W.,	38.30	
Wanamaker, John,	58.00	\$1,776.46

SCHOOL REPORT.

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MUSIC DEPARTMENT.

Bradley, Milton Co.,	\$1.60	
Hutchinson, H. S. & Co.,	.25	
Peirce, George,	196.50	\$198.35

PEDAGOGICAL LIBRARY.

Barnes, Earl,	\$1.50	
Caproni, P. P. & Bro.	1.00	
Heath, D. C. & Co.	.60	
Hutchinson, H. S. & Co.,	.35	
Mercury Publishing Co.,	1.25	\$4.70

ART DEPARTMENT.

Allen's Boston & New Bedford Express,	\$2.75	
Caproni, P. P. & Co.,	44.26	
Crowell, A. B.,	157.69	
Hatch & Co.,	1.70	
Jennings, William A.,	.50	
Pierce, William H. & Co.,	69.40	
Tillinghast, Ada W.,	2.25	\$278.55

SEWING DEPARTMENT.

Donovan, Mary E.,	\$1.25	
Johnson, Catherine F.,	14.00	
Ruggles & Ellison,	25.66	\$40.91

MISCELLANEOUS.

Appleton D. & Co.,	\$.58	
Bradley, Milton Co.,	.36	
Dodd, Mead & Co.,	.10	
Ginn & Co.,	.84	
Hammett, J. L. Co.,	.50	
Heath D. C. & Co.,	7.77	
Hillman, Washburn & Co.,	1.75	
Houghton, Mifflin & Co.,	.33	
Revell, Fleming H. Co.,	.30	
Scribner's Sons, Charles,	1.01	
Taber, Robert W.,	1.00	
Wright, J. Smithson,	22.63	\$37.17
		\$2,336.14

TEXT BOOKS AND SUPPLIES.

STATEMENT.

Cost of books and supplies purchased during 1903,	\$11,987.01
Cost of books and supplies in stock, Dec. 1, 1902,	4,718.35
	<hr/> \$16,705.36
Cost of books and supplies charged to schools in 1903,	\$12,898.34
Cost of books and supplies in stock, Dec. 5, 1903,	3,760.12
Cash receipts from the sale of books and supplies,	46.90
	<hr/> \$16,705.36

The cost in detail of books and supplies furnished the several schools for the year 1903 is as follows:

	<i>Books.</i>	<i>Supplies.</i>	<i>Total.</i>
High,	\$414.05	\$1,589.09	\$2,003.14
Harrington Training,	183.42	476.83	660.25
John Henry Clifford Grammar,	554.75	498.07	1,052.82
Fifth Street “	409.56	317.70	727.26
Robert C. Ingraham “	343.18	743.74	1,086.92
Middle Street “	613.92	428.89	1,042.81
Parker Street “	714.37	481.87	1,196.24
Acushnet Avenue Primary,	56.48	307.24	363.72
I. W. Benjamin “	46.81	326.34	373.15
Cannonville “	13.96	57.83	71.79
Cedar Street “	29.01	147.73	176.74
Cedar Grove Street “	46.96	498.39	545.35
Clark Street “	50.20	196.09	246.29
Dartmouth Street “	54.28	233.84	288.12
George H. Dunbar “	70.26	250.14	320.40
Thomas A. Greene “	49.16	247.17	296.33
Sylvia Ann Howland “	35.93	187.72	223.65
Horatio A. Kempton “	60.84	179.72	240.56

Merrimac Street	Primary,	\$23.00	\$172.80	\$195.80
Phillips Avenue	"	50.81	163.35	214.16
Thompson Street	"	80.25	213.61	293.86
Mary B. White	"	22.64	99.14	121.78
William H. Taylor, Grammar and Primary,		123.28	197.97	321.25
North Mill School,		6.30	18.94	25.24
South " "		50.99	12.01	63.00
Acushnet "		28.47	98.34	126.81
North "		2.40	21.36	23.76
Plainville "		8.52	8.80	17.32
Rockdale "		19.75	45.76	64.51
Cedar Street Kindergarten,			32.95	32.95
Cedar Grove Street "			68.74	68.74
Thomas A. Greene "			44.60	44.60
John H. Clifford Evening,		23.20	33.45	56.65
Fifth Street "		39.26	17.24	56.50
R. C. Ingraham "			15.60	15.60
Parker Street "		25.28	19.06	44.34
Phillips Avenue "		23.42	14.75	38.17
Evening High,		32.65	9.27	41.92
Evening Drawing,			72.58	72.58
Cooking,			13.81	13.81
Manual Training,			12.10	12.10
Sewing Department,			1.09	1.09
Drawing Department,			6.52	6.52
Office,			9.74	9.74
		<hr/>	<hr/>	<hr/>
		\$4,306.36	\$8,591.98	\$12,898.34

The average cost per pupil in the different departments of the schools, for text-books and supplies, has been as follows:

High school,	\$4.59
Harrington school,	1.81
Grammar schools,	2.18
Primary schools,	.93
Ungraded schools,	1.20
Average for day schools,	1.52
Average for Evening High school,	.46
Average for Evening Elementary schools,	.12
Average for Evening Drawing school,	1.05

These figures do not show the actual cost per pupil for text-books and supplies, but the expenditure per pupil from amount raised by taxation. All musical instruments, supplementary readers, reference books, and certain kinds of apparatus are purchased from the income of the Sylvia Ann Howland fund. The actual cost per pupil for text-books and supplies used in instruction would, therefore, be the above figures increased by the amount per pupil expended from the income of the trust fund.

THE SCHOOL CENSUS.

The school census was taken as usual in September, most of the enumerators being experienced in the work. The difficulties attending the taking of this census in a city containing so many persons who do not speak English are great, and with all the pains taken by the enumerators, they undoubtedly fail to secure all the names, or in many instances the correct ages.

The census enumerators returned 11,840 names in 1902. In 1903, 12,566, a gain of 726. The increase in the attendance in the fall, and the overcrowding of the schools would indicate that there was as large a gain as shown by the census. The gain the previous year was 538. Some of the children attend the Parochial schools, and therefore do not appear in our enrollment.

The largest gain was in Ward One; it was 353. The next largest was in Ward Six; it was 192. Ward Six shows the largest enrollment, 4011, and Ward One the next largest, 3688. It is in these wards chiefly, that the schools are overcrowded, necessitating overflow rooms which are located in stores, halls, portable schoolhouses, and such other makeshift places, because schoolhouses cannot be provided fast enough for the rapid growth.

REMARKS ON THE EXPENDITURES FOR THE
YEAR — 1903.

In my report last year, I stated that the expenditures for the schools fell much below the amount requested by the School Committee at the beginning of the year. The amount requested was \$253,000 in round numbers; the amount expended was \$227,000. The reasons for this were set forth at that time. The year was not a normal one; had it been, the amount needed would not have fallen very much short of the estimate. I refer to this for reason of what is to follow:

The Committee asked for the year 1903 the sum of \$276,000. There was granted at various times \$266,000 and expended \$264,568.16. The questions may be asked why this apparently abnormal increase? And again, why ask for \$12,000 more than was actually expended?

My answer to the first question is this: had the year 1902 been an ordinary one, the expenditures would have been something over \$250,000. The new salary schedule went into effect in 1903 which increased the pay roll about \$12,000. Again the fuel bill for 1902 was \$8,247.14, while for 1903 it was \$21,116.83. This was due to the coal strike. The fuel bill averages now about \$15,000 a year. But the contract usually made each year in August for coal was not made in 1902, and coal bills that should have been paid in 1902 were paid in 1903. The Committee asked for \$21,600 for repairs of buildings, and was granted \$11,000. The expenditures for repairs were several thousand dollars larger than the average for several years. In fact, too little has been given the Committee in the past five or six years to keep in proper condition so many large schoolhouses.

These conditions that I have set forth, coupled with the fact that there was a large increase of pupils last fall, have produced the apparently large increase in the cost of the schools for one year.

Respectfully submitted,

WM. E. HATCH,

Secretary.

SCHOOL REPORT.

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9	Acushnet Avenue	Primary,	251	256	446	400	89.8	16,869	852	1915	6	28	36	3	15	16	120	374
10	I. W. Benjamin	"	282	345	514	465	90.4	18,476	744	4522	20	16	175	2	23	11	177	374
11	Cannonville	"	42	32	64	59	92.6	1,773	259	36	2	1	1	1	2	16	20	374
12	Cedar Street	"	127	86	193	169	87.4	8,981	386	96	15	18	181	1	9	16	68	374
13	Cedar Grove Street	"	465	372	636	565	88.7	26,757	890	3299	11	15	6	5	24	13	53	374
14	Clark Street	"	168	136	242	221	91.1	7,464	512	106	5	9	6	4	14	2	70	349
15	J. H. Clifford	"	22	21	54	46	84.6	2,665	91	6	3	3	1	1	5	6	6	374
16	Dartmouth Street	"	177	128	285	258	90.	10,052	368	90	6	100	29	11	11	10	192	374
17	George H. Dunbar	"	172	166	279	238	88.4	15,186	329	945	13	55	77	4	11	10	50	374
18	Thomas A. Greene	"	191	195	343	300	88.5	15,088	992	142	16	32	30	2	19	3	112	374
19	Sylvia Ann Howland	"	114	111	191	166	86.9	9,377	449	199	10	14	147	1	15	2	75	374
20	Horatio A. Kempton	"	130	110	218	202	92.5	6,071	258	76	9	7	8	24	3	342	374	
21	Merrimac Street	"	135	145	240	197	87.5	8,844	620	1408	8	16	29	2	10	1	58	374
22	Phillips Avenue	"	172	162	191	167	81.7	13,099	487	1548	7	12	1	18	2	55	374	
23	William H. Taylor	"	131	128	216	198	91.5	6,781	289	601	9	8	25	23	21	12	133	374
24	Thompson Street	"	235	206	400	356	88.2	17,605	636	2026	10	28	11	31	8	83	374	
25	Mary B. White	"	116	102	176	158	89.7	6,743	467	235	2	44	40	10	9	5	105	374
Primary totals,			5621	2920	4668	4165	80.6	191,831	8629	17250	152	413	1	795	61	114	1719	
26	Acushnet School,		64	65	112	104	93.	2,879	56	71	5	24	2	7	18	12	80	372
27	North		16	7	23	17	86.	1,048	21	10	2	2	1	2	2	12	12	386
28	Plainville		15	6	19	16	91.	677	35	17		10	1	10	2	1	1	395
29	Rockdale		20	21	40	35	87.3	1,842	166	41		7		2	1	4		365
Ungraded totals,			214	99	194	172	88.6	6,446	278	139	5	43	3	19	23	16	93	
30	South Mill School,		110	34	73	66	91.3	2,391	154	775	8	31		2	2	1	34	374
31	Cedar Street	Kindergarten,	32	23	35	27	76.9	1,535	114	6			7	3	3	4	51	188
32	Cedar Grove Street	"	27	33	32	26	80.2	1,206	85	85			6	1	2	33	33	183
33	Thomas A. Greene	"	33	25	38	30	76.9	1,642	232	14				4	4	58	188	188
Kindergarten totals,			173	81	105	83	79.	4,383	431	55			13	5	9	4	142	
Grand totals,			9684	4833	8193	7448	90.	273,451	13,998	20,591	270	592	15	1,367	146	520	204	4163

DEPARTMENT OF PUBLIC SCHOOLS.

EVENING HIGH SCHOOL. REPORT FOR YEAR BEGINNING
OCTOBER 6, 1902, ENDING FEBRUARY 25, 1903.

Total enrollment for year.		Average No. belonging.	Average nightly attendance.	Per cent. of attendance.	Total nights absence.	No. cases of tardiness.	No. cases of dismissal.	Nights teacher was absent.	Times teacher was tardy.	No. visits by superintendent.	
Boys.	Girls.										
144											
69	75	91	74	81.3	992	89	22	1	1	1	57 nights.

DEPARTMENT OF PUBLIC SCHOOLS.

EVENING DRAWING SCHOOL. REPORT FOR YEAR
 BEGINNING OCTOBER 6, 1902, ENDING
 FEBRUARY 27, 1903.

	Total enrollment for year.		Average No. belonging.	Average nightly attendance.	Per cent. of attendance.	Total nights absence.	No. visits by members committee.	
	Boys.	Girls.						
	104							
	83	21	69	48	69.5	820	4	40 nights.

DEPARTMENT OF PUBLIC SCHOOLS.

COOKING SCHOOL. REPORT FOR YEAR BEGINNING SEPTEMBER 8,
1902, ENDING JUNE 26, 1903.

NAME OF TEACHER.	Total enrollment for year.										
	Girls.	Average No. belonging.	Average attendance.	Per cent. of attendance.	Total half days absence.	No. cases of tardiness.	No. cases of dismissal.	Half days teacher was absent.	No. visits by superintendent.	No. visits by members committee.	
S. Agnes Donham,	353	305	289	94.6	330	24	8	6	2	19	

DEPARTMENT OF PUBLIC SCHOOLS.

MANUAL TRAINING SCHOOL. REPORT FOR YEAR BEGINNING
SEPTEMBER 8, 1902, ENDING JUNE 26, 1903.

NAME OF TEACHER.	Total enrollment for year.		Average No. belonging.	Average attendance.	Per cent. of attendance.	Total half days absence.	No. cases of tardiness.	No. cases of dismissal.	No. visits by superintendent.	No. visits by members committee.
		Boys.								
Edwin R. King.		539	481	464	96.5	383	44	4	4	13

AVERAGE AGE OF PUPILS IN VARIOUS GRADES, JUNE, 1903.

HIGH SCHOOL.

Senior		Sub-Senior		Junior		Sub-Junior		Average Age	
Yrs.	Mos.	Yrs.	Mos.	Yrs.	Mos.	Yrs.	Mos.	Yrs.	Mos.
17	10	17	6	16	1	15	4	16	8

GRAMMAR DEPARTMENT.

SCHOOL	Fifth Year	Sixth Year	Seventh Year	Eighth Year	Ninth Year	Average Age
	Yrs. Mos	Yrs. Mos	Yrs. Mos.	Yrs. Mos	Yrs. Mos	Yrs. Mos.
Harrington Normal and Training,	12 1	12 10				
John Henry Clifford,	12 3	12 8	13 6	14 11	15 3	
Fifth Street,	11 10	12 4	13 3	14 11	15 1	
Robert C. Ingraham,	12 1	12 10	13 4	14 2	15 2	
Middle Street,	11 11	12	13 5	14	15 6	
Parker Street,	11 5	12 5	13 3	14	14 11	
Wm. H. Taylor,	12 3	12 4	13			
Av. age by grades,	11 10	12 6	13 3	14 5	15 2	13 5

AVERAGE AGE OF PUPILS IN VARIOUS GRADES.

PRIMARY DEPARTMENT.

SCHOOL	First Year	Second Year	Third Year	Fourth Year	Average Age
	Yrs. Mos.	Yrs. Mos.	Yrs. Mos.	Yrs. Mos.	Yrs. Mos.
Acushnet Avenue,	7 8	9 6	10 10	11 4	
I. W. Benjamin,	7 4	9	10 6	10 10	
Cannonville,	7 1	7 1	9 8	10 6	
Cedar Street,	7 4	8 10	9 8	10 3	
Cedar Grove Street,	7 5	9 4	10 5	11 7	
Clark Street,	7	8 4	9 4	10 8	
John Henry Clifford,			13 3	12 8	
Dartmouth Street,	6 6	8 4	8 7	10 5	
George H. Dunbar,	7 6	8 11	9 2	11 5	
Thomas A. Greene,	7 8	8 10	10 1	11 1	
Sylvia Ann Howland,	7 4	8 4	9 4	10 11	
Horatio A. Kempton,	6 6	8 2	8 5	11	
Merrimac Street,	8	8 11	10 7	11 9	
Phillips Avenue,	7 4	9 1	9 9	10 10	
Wm. H. Taylor,	7 1	8 8	9 11	11 5	
Thompson Street,	7 1	8 9	9 7	12 2	
Mary B. White,	7 1	8 3	10 8	11 4	
Harrington Normal and Training,	6 10	8	9 8	10 1	
Av. age by grades,	7 3	8 7	10	11 1	9 3

UNGRADED SCHOOLS.

SCHOOL	Grammar Department		Primary Department		Average Age	
	Yrs.	Mos.	Yrs.	Mos.	Yrs.	Mos.
Acushnet,	13	6	9	1		
North,	12	2	8	7		
Plainville,	14	4	8	5		
Rockdale,	12	9	8	6		
South Mill,	13	10	13	8		
Average age by departments	13	4	9	8	11	6

KINDERGARTENS.

SCHOOL	Yrs.	Mos.
Cedar Street,	5	8
Cedar Grove Street,	5	2
Thomas A. Greene,	5	3
Average age,	5	4

NEW BEDFORD PUBLIC SCHOOLS.

RATES OF TUITION FOR NON-RESIDENT PUPILS FOR
SUMMER AND FALL TERM 1904, WINTER TERM 1905.

	Summer Term, 1904, 13 weeks.	Fall Term, 1904, 15 weeks.	Winter Term, 1905, 13 weeks.	For the Year, 41 weeks.
High School,	21.42	24.71	21.42	67.55
Grammar School,	9.82	11.33	9.82	30.97
Primary School,	8.35	9.64	8.35	26.34
Normal and Training School,	22.54	14.48	12.54	39.56
Evening Drawing School, (20 weeks).				10.68

DEPARTMENT OF PUBLIC SCHOOLS.

BRIEF DESCRIPTION OF THE SCHOOLHOUSES, WITH
THEIR ACCOMMODATIONS AND CONDITIONS.

NAME OF SCHOOL	LOCATION	Material	No. of stories	No. of schoolrooms	No. of assembly halls	No. of sittings	Year completed	Estimated value
Acushnet Avenue	Acushnet av. near Grinnell st.	Brick	2	10		492	1878	549,966
Acushnet	Lunds Corner, Acushnet	Wood	2	4		152	1889	7,500
I. W. Benjamin	Division st.	Brick	3	12		587	1891	33,875
Cedar Street	Cor. Cedar and Maxfield sts.	Wood	2	6		245	1855	7,063
Cedar Grove Street	Cedar Grove st.	Brick	3	15		645	1883	35,932
John H. Clifford	Coggeshall st.	Brick	3	12	1	570	1901	75,985
Clark Street	Cor. Clark and Myrtle sts.	Brick	2	8		343	1897	37,847
Cannonville	Rockdale av.	Wood	2	2		82	1853	1,665
Geo. H. Dunbar	Cor. Dartmouth & Dunbar sts.	Brick	2	2		390	1897	45,037
Dartmouth Street	Cor. Dartmouth & Hickory sts.	Wood	2	8		391	1855	17,106
Fifth Street	Cor. Fifth and Russell sts.	Brick	3	0	1	490	1860	35,898
Thomas A. Greene	Cor. Fourth and Madison sts.	Brick	2	10		394	1894	66,089
High	Summer, between Mill and North sts.	Brick	3	10		492	1876	113,388
Harrington Memorial	Cor. Court and Tremont sts.	Brick	3	10	1	445	1889	55,000
Sylvia Ann Howland	Pleasant, cor. Kempton st.	Brick	3	7		246	1893	65,100
Robert C. Ingraham	Rivet st. bet. Acushnet av. and Second st.	Brick	3	12	1	664	1901	81,352
Horatio A. Kempton	Shawmut av. near Maitland st.	Brick	2	8		393	1901	41,394
Linden Street	Linden st.	Wood	2	4				2,684
Middle Street	Cor. Middle and Summer sts.	Brick	3	9	1	462	1844	35,035
Merrimac Street	Cor. Merrimac and State sts.	Brick	2	6		274	1857	18,113
North	County road	Wood	1	2		59	1852	2,000
Parker Street	Parker, near County st.	Brick	3	12	1	656	1852	50,226
Phillips Avenue	Cor. Phillips av. and Bowditch st.	Brick	2	8		339	1897	47,561
Plainville	Plainville road	Wood	1	1		28	1846	1,000
Rockdale	Hathaway road	Wood	1	2		60	1855	1,254
Thompson Street	Cor. Thompson and Crapo sts.	Brick	3	10		454	1885	37,800
Wm. H. Taylor	Brook av.	Brick	2	8		374	1898	44,977
Mary B. White	Cor. Pleasant and Maxfield sts.	Brick	2	4		195	1881	25,068

SALARIES.

HIGH SCHOOL.

Principal,	Maximum salary, \$3,000
Sub-master,	" " 1,900
Science teacher,	" " 1,800
Classics and science teacher,	" " 1,600
Commercial and mathematical teachers,	" " 1,500
Lady assistants,	" " 1,000
Military instructor,	" " 350

NORMAL AND TRAINING SCHOOL.

Principal,	Maximum salary, \$1,900
Vice-principal,	" " 1,200
Science teacher in Normal Dept., and supervisor in Primary grades,	" " 1,200
Regular assistants,	" " 675
Seniors, pupil teachers,	\$4 per week

GRAMMAR SCHOOLS.

Principals,	Maximum salary, \$1,900
Ninth grades,	" " 750
Eighth grades,	" " 675
Seventh grades,	" " 625
Sixth grades,	" " 625
Fifth grades,	" " 625

PRIMARY SCHOOLS.

Principals of buildings:

With 4 or 5 rooms occupied,	Maximum salary, \$700
" 6 or 7 " "	" " 750
" 8, 9 or 10 " "	" " 800
" 11 or 12 " "	" " 900
" 15 or more, " "	" " 950
Principals of buildings with number of rooms not specified in above list to be paid pro rata.	
Assistants in all grades,	" " 625

UNGRADED SCHOOLS.

ACUSHNET.

Principal,	Maximum salary, \$900
Assistant with Seventh grade,	" " 625
" " Fifth and Sixth grades,	" " 625
" " First, Second, Third and Fourth grades,	" " 625

ROCKDALE.

Principal,	" " 700
Assistant,	" " 625

NORTH.

Principal,	" " 700
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PLAINVILLE.

Principal,	" " 600
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UNGRADED CITY SCHOOLS.

Grammar grades;	" " 650
Primary "	" " 625

SUPERVISORS AND SPECIAL TEACHERS.

Supervisor of Music,	Maximum salary, \$1,900
" Drawing,	" " 1,500
Teacher of French, Grammar grades,	" " 800
" Sloyd,	" " 1,600
" Cooking,	" " 800
" Sewing, supervisor,	" " 650
" " assistants (full time),	" " 550

The maximum salaries are paid only to such teachers as have taught at least three years and to whom such salaries are recommended to be paid by the proper sub-committees and the Committee on Salaries,

CALENDAR, 1904.

Winter term begins Dec. 28, 1903; ends March 25, 1904.

Summer term begins April 4, 1904; ends July 1, 1904.

Fall term begins Sept. 12, 1904; ends Dec. 23, 1904.

VACATIONS.

March 26, 1904, to April 4, 1904.

July 2, 1904, to Sept. 12, 1904.

Dec. 24, 1904, to Jan. 1, 1905.

HOLIDAYS.

Every Saturday; Washington's Birthday; Patriots' Day; Memorial Day; from Wednesday noon before Thanksgiving the remainder of the week.

SCHOOL SESSIONS.

High School: 8.30 a. m. to 1.30 p. m.

Grammar and Manual Training Schools: Morning session, 9 to 11.45 o'clock. Afternoon session, 1.30 to 3.45 o'clock, without recess.

Primary Schools and Kindergartens: Morning session, 8.45 to 11.45 o'clock, with 15 minutes' recess, except in inclement weather, when the schools will close at 11.25 o'clock, without recess. Afternoon session, 1.30 to 3.30 o'clock, with a recess of 10 minutes.

Ungraded Schools: Sessions as prescribed by the Committee on Ungraded Schools.

FIRE ALARM SIGNAL FOR NO SCHOOL.

The signal for no session is two strokes of the fire alarm once repeated (2-2).

The signal for no session of the High School will be given at 7:30 o'clock a. m.

The signal for no session in all the other schools will be given at 8.15 o'clock a. m. for the morning session, and at 12.45 o'clock p. m. for the afternoon session.

Number of pupils who have left the High School during the school year 1902-1903:

	1902			1903			1902-1903		
	Sept. to Jan.			Jan. to June			Sept. to June		
	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total
Seniors	1	0	1	0	1	1	1	1	2
Sub-Seniors	2	1	3	4	4	8	6	5	11
Juniors	3	6	9	4	4	8	7	10	17
Sub-Juniors	17	5	22	9	8	17	26	13	39
	23	12	35	17	17	34	40	29	69

Causes for leaving:

	Boys	Girls
Death	3	0
Illness	2	17
Moved from the city	1	1
At work	14	3
Not promoted	11	4
Neglect of school work	7	3
Went to private school	2	1
	40	29

Pupils entering the High School in Sept., 1903:

	Boys	Girls	Total
From New Bedford Public schools	64	60	124
From other schools	4	8	12
	68	68	136

SCHOOL REPORT.

	1903-1904 Commercial Course			General Course			School of Technology			College Course, without Greek			College Course, with Greek		
	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total
Seniors	0	0	0	2	15	17	3	0	3	8	7	15	5	2	7
Sub-Seniors	9	21	30	3	33	36	11	0	11	5	19	24	4	5	9
Juniors	8	21	29	16	31	47	0	0	0	14	18	32	4	5	9
Sub-Juniors	33	23	56	21	29	50	0	0	0	18	22	40	0	0	0
	50	65	115	42	108	150	14	0	14	45	66	111	13	12	25

Total enrollment:

Post Graduates	20
Commercial Course	115
General Course	150
School of Technology	14
College Course without Greek	111
College Course with Greek	25
	<hr/>
Total	435

Post graduates in the High School, Sept., 1903:

	Boys	Girls
September to January	0	20

Graduates of 1903 who entered the following named colleges and schools:

	Boys	Girls
School of Technology	2	
Brown University	*3	2
Mass. College of Pharmacy	1	
Dartmouth College	*3	
Boston University	1	
Bradford Academy		1
University of Minnesota, in Minneapolis, (School of Mines)	1	
Eastman Business College, Poughkeepsie, N. Y.,	2	
Harrington Training, (entered Jan. 1904)		14
	<hr/>	<hr/>
	13	17

*One boy from class of 1902.

1827-1903.

NEW BEDFORD HIGH SCHOOL
GRADUATION EXERCISES.AT THE NEW BEDFORD THEATRE,
WEDNESDAY, JUNE 24, 1903.
2 P. M.

PROGRAMME.

1. March — "Twenty-second Regiment," - *Herbert*.
Orchestra.
2. Prayer.
By the Rev. O. Howard Perkins.
3. Salutatory.
Ella Macy Sherman.
4. Overture — "Orpheus," - - *Offenbach*.
Orchestra.
5. Oration — True Liberty.
Frederic Edwards.
6. Song — "The Sea Hath its Pearls," - *Tiehssen*.
Florence Margaret Reilly.
With 'Cello Obligato by George F. Burgess.
7. Essay — Our Inheritance.
Bessie Alice Gatie.
8. Serenata — "Alla Mauresque," - - *Jonas*.

9. Valedictory — "Launched but not Anchored."

Ralph Dennison Beetle.

10. Awarding of Diplomas and Bourne Prizes.

By Hon. F. A. Milliken.

Chairman of the High School Committee.

WINNERS OF THE JONATHAN BOURNE PRIZES.

First Prize Essay — "Modern Interdependence."

Maud Lovell Clark.

Second Prize Essay — "Modern Interdependence."

Loring Ashley Schuler.

Third Prize Essay — "Is Poverty more favorable to Character than Riches?"

Alice Borden Knight.

11. Class Ode.

Words by Bertha I. Briggs.

Music by Herbert E. Healy.

Dear High School days, already past,
 Of all our childhood's milestones last,—
 One ling'ring glance ere yet too fast
 Your vision flies
 Our tear-dimmed eyes.

The friendships in these years we've made,
 Fond mem'ries which can never fade,
 Will cheer life's path in sun and shade,
 'Till, voyaging done,
 Our goal is won.

O hark! across life's sea we hear
 Fate's clarion call. We will not fear,
 With purpose high and conscience clear,
 To brave the deep,
 And onward sweep.

And now we stand upon the shore,
 The wide expanse of life before;
 Both time and tide forbid us more.
 Farewell, we say,
 Farewell for aye.

12. March — "The Drummer Boy of '76," - *Ellis.*

. CLASS OF 1903.

"Launched but not Anchored."

GRADUATES.

College and General Courses.

(Four Years.)

Lawrence Allen,	Nora Leonard Crossman,
William Benedict Atchison,	Florence Wilmenia Davis,
Leopold Bartel, Jr.,	Florine Louise DeWolf,
Ralph Dennison Beetle,	Mary Evelyn Doyle,
Emmet Patrick Coughlan,	Helen Smith Gabriel,
Frederic Edwards,	Bessie Alice Gatie,
Henry William Edwards,	Isabelle Harwood,
Malcolm Kirk Hatch,	Belle Brown Hicks,
Clifford Murray Hathaway,	Elizabeth Pease Higham,
Herbert Emerson Healy,	Lucille Clara Irving,
Frederic Arthur Knowles,	Helen Catherine Kane,
Robert Alexander McIntyre,	Mary Katherine Kilcoin,
John Edward Moore,	Alice Borden Knight,
Robert Lewis Munson,	Helen Sherman Lapham,
Loring Ashley Schuler,	Ellen Amelia Lawrence,
Charles Neves Serpa,	Mary Ellen Martin,
James McLean Stephenson,	Helen Anthony McIntyre,
Elwin LeRoy Vinal,	Ethel Wood Nichols,
Edward Howland Wing,	Lillian Elward Oesting,
Clara Marie Aiken,	Anna Gertrude Perry,
Mary Goulding Almy,	Hazel Roberts Perry,
Alice Courtland Bartlett,	Mildred Perry,
Winifred Sophia Bolles,	Abbie Elizabeth Pitman,
Bertha Imogene Briggs,	Florence Margaret Reilly,
Mary Ann Brogan,	Ella Macy Sherman,
Mary Asenath Budgen,	Helen Wilber Tripp,
Maud Lovell Clark,	Helen Tucker,
Anna Anthony Cleary,	Grace Edith Wade,
Carolyn Helena Coford,	Bessie Belle Wheeler,
Ada Ethel Cornell,	Ethel Arnold Wood.

Partial Course.

Frank Edward Driscoll.

Commercial Course.

(Three Years.)

Frank Swift Akin,	Robert Sibor,
Ralph Eugene Ashley,	Thomas Holland Tripp,
Charles Albert Gooding Blossom,	Edwin Ernest Wilde,
Douglas Bruce,	Benjamin Woodsome,
Albert Preston Cunningham,	Sara Vinal Brownell,
Bernard Francis Gill,	Bessie Eunice Chace,
John Robert Harwood,	Frances Goodbury Gwynn,
Edward Franklin Hiscox,	Lillian Blanche Hathaway,
Edward William Kenney,	Ethel Linwood Jennings,
John Mitchell Lowther,	Mary Bennett Lovejoy,
Daniel Benjamin Merrow,	Rebecca Annie Martin,
John Henry Neild,	Nena Pierce Oman.
Roy Elma Peckham,	

1889-1903,

GRADUATING EXERCISES
HENRY F. HARRINGTON NORMAL AND
TRAINING SCHOOL.

AT THE ROBERT C. INGRAHAM SCHOOL,
THURSDAY, DEC. 10, 1903,
8 P. M.

ORDER OF EXERCISES.

Prayer.

Rev. Walter B. Flanders.

Music — "Summer Fancies," - - - *Metra.*Thesis — "A Nature Diary,"
Miss Dexter.Exercise based on Thesis,
Miss Stow.Thesis — "My Study of Literature,"
Miss Kane.Music — "To Thee, O Country," - - *Eichberg.*Presentation of Diplomas,
Miss Betsey B. Winslow.
Chairman Committee on Normal and Training School.

Address,

Dr. Earl Barnes.

Theses.

"Aids in Teaching Patriotism,"	-	-	-	-	Miss Brownell
"Children's Collections,"	-	-	-	-	Miss Bryant
"Weeds,"	-	-	-	-	Miss Christopher
"Child Life in Foreign Lands,"	-	-	-	-	Miss Deacon
"A Nature Diary,"	-	-	-	-	Miss Dexter
"Some Studies in Education,"	-	-	-	-	Miss Fuller
"A Child's Library,"	-	-	-	-	Miss Jason
"My Study of Literature,"	-	-	-	-	Miss Kane
"Through Field and Woodland,"	-	-	-	-	Miss Karcher
"Review of a Text-Book"	-	-	-	-	Miss Killigrew
"Pictures as Illustrations in Geography,"	-	-	-	-	Miss Sequeira
"How Drawing Helps the Teacher,"	-	-	-	-	Miss Stow
"Boys' Reading,"	-	-	-	-	Miss Tresham
"Pictures in the School Room,"	-	-	-	-	Miss Wilde
"The Public Library as a Factor in a Teacher's Education,"	-	-	-	-	Miss Yates

Graduates.

Harriet Parker Brownell,	Esther Louise Karcher,
Mary Bryant,	Mary Lucina Killigrew,
Charlotte Smith Christopher,	Myrtilla Galvan Sequeira,
Jennie Margaret Deacon,	Lizzie May Stow,
Marion Hicks Dexter,	Julia Veronica Tresham,
Laura Borden Fuller,	Laura Howland Wilde,
May Belle Jason,	Josephine Catherine Yates.

GRADUATING EXERCISES.
GRAMMAR AND UNGRADED SCHOOLS,
NEW BEDFORD, MASS.

HALL OF THE ROBERT C. INGRAHAM SCHOOL,
JUNE 25, 1903, AT 2.30 O'CLOCK P. M.

PROGRAMME.

1. Prayer.
Rev. Louis M. Flocken.
2. Song — "Hunting Song," - *W. W. Gilchrist.*
3. Composition — "A Day in Boston."
Elsie Albiston,
John H. Clifford School.
4. Composition — "Three Centuries Ago."
Martha Basilia Dimond,
Fifth Street School.
5. Composition — "Our Feathered Friends."
Mary Lois Raymond,
Parker Street School,
6. Song — "Night," - - *A. Ergmann, arr.*
7. Discussion — "Resolved, That the United States
Should Abandon the Monroe Doctrine."
Affirmative — Clarence Chester Sylvia,
Negative — Ernest William Broadbent,
Robert C. Ingraham School.
8. Composition — "From the Wigwam."
Rosalie Abbie Ashby,
Middle Street School.

SCHOOL BOARD, 1903.

CHARLES S. ASHLEY, Mayor, Chairman, ex-officio.

FRANK A. MILLIKEN, Vice-Chairman.

WILLIAM E. HATCH, Secretary and Superintendent.

SAMUEL HIGHAM, President of Common Council,
ex-officio.

Ward 1 — Frank R. Pease, John H. Lowe, J. Frank Weeks.

Ward 2 — Alfred Thornton, Lewis E. Bentley, Walter B. Flanders.

Ward 3 — Edward G. Reynolds, Edgar B. Hammond, George W.
H. Brownell.

Ward 4 — Frank A. Milliken, Alex. McL. Goodspeed, Ada W. Til-
linghast.

Ward 5 — Louis M. Flocken, William C. Hawes, Betsey B. Winslow.

Ward 6 — Joseph C. Pothier, John F. Rogers, Arthur E. Buffington.

STANDING COMMITTEES.

WILLIAM E. HATCH, Secretary.

The first named on each Standing Committee is the Chairman of the same.

On High School — Milliken, Pothier, Winslow, Pease, Tillinghast, Weeks, Bentley.

On Grammar Schools — Tillinghast, Pothier, Lowe, Buffington, Bentley, Brownell, Hammond.

On Primary Schools — Pothier, Winslow, Weeks, Lowe, Pease, Rogers, Flanders.

On Evening Schools and Ungraded Schools — Lowe, Weeks, Pease, Bentley, Goodspeed, Brownell, Hawes.

On Normal and Training School and Examination of Teachers — Winslow, Milliken, Buffington, Goodspeed, Hammond, Flocken, Reynolds.

On Manual Training and Music — Weeks, Winslow, Pease, Rogers, Brownell, Flanders, Thornton.

On Text Books — Tillinghast, Milliken, Buffington, Goodspeed, Flanders, Brownell, Hawes.

On Expenditures — Pothier, Milliken, Pease, Lowe, Weeks, Bentley, Buffington, Thornton, Rogers, Higham.

On Howland Fund — Hammond, Lowe, Bentley, Buffington, Flocken, Reynolds, Higham.

On Rules — Rogers, Milliken, Hammond, Hawes, Thornton, Reynolds, Flocken.

On Art — Flanders, Tillinghast, Winslow, Hawes, Thornton, Goodspeed, Flocken.

SCHOOL BOARD, 1904.

CHARLES S. ASHLEY, Mayor, Chairman, ex-officio.

FRANK A. MILLIKEN, Vice-Chairman.

WILLIAM E. HATCH, Secretary and Superintendent.

Office, 166 William Street.

Office hours, 8.30 to 9 a.m., 12.30 to 1.30 p.m. Saturdays, 9 to 10 a.m.

SAMUEL HIGHAM, President of the Common Council,
ex-officio.

Residence, 61 Locust street.

Regular meetings of the Board, first Monday of each month at 7.30 p. m., except in the months of January, August and September. In January and September the meetings will be held the Tuesday after the first Monday. In August no meeting will be held.

WARD ONE.

<i>Name.</i>	<i>Place of Business.</i>	<i>Residence.</i>
J. Frank Weeks,	Cor. Acushnet ave. and Tarkiln Hill rd.	Cor. Acushnet ave. and Tarkiln Hill rd.
Frank R. Pease,	977 Acushnet ave.,	977 Acushnet avenue.
James H. Brown,	18 Masonic bldg.,	955 Purchase street.

WARD TWO.

Simpson J. Blossom,	172 North Water st.,	92 Campbell street.
Alfred Thornton,	Mechanics N'l bank,	635 County street.
Lewis E. Bentley,	Supt. Bennett Dep't	526 Purchase street.
	N. E. C. Yarn Co.	

WARD THREE.

George W. H. Brownell,	Standard Office,	147 Hillman street.
Edward G. Reynolds,	270 Purchase street,	210 Pleasant street.
Edgar B. Hammond,	179 North Water st.,	66 North street.

WARD FOUR.

Ada W. Tillinghast,		37 Eighth street.
Frank A. Milliken,	Masonic bldg.,	8 Lincoln street.
Alex. McL. Goodspeed,	37 Purchase street,	20 Seventh street.

WARD FIVE.

Betsey B. Winslow,		315 County street.
Louis M. Flocken,		347 County street.
William C. Hawes,	Masonic bldg.,	73 Borden street.

WARD SIX.

Thomas W. Shaw,	1046 So. Water st.,	1046 South Water st.
Joseph C. Pothier,	245 Fourth street,	247 Fourth street.
John F. Rogers,	100 Potomska st.,	97 Acushnet avenue.

SUPERINTENDENT'S OFFICE.

EMMA M. ALMY, Head Clerk,	- - -	87 Court street.
MARY C. POTTER, Assistant Clerk,	- - -	185 Middle street.

HENRY SMITH, Truant Officer,	- - -	372 Cottage Street.
WILLIAM A. BAKER, Truant Officer,	- - -	213 Fourth street.
Office hours, 12.30 to 1 p. m. ; Saturdays, 9 to 9.30 a. m.		

GEORGE K. DAMMON, Janitor and Messenger, 136 Campbell st.

Office of Superintendent of Schools open 8.30 a. m. to 4.30 p. m.,
except Saturdays. Saturdays from 9 a. m. to 11 a. m.,
2 p. m. to 4 p. m.

STANDING COMMITTEES.

WILLIAM E. HATCH, Secretary.

The first named on each Standing Committee is the Chairman of the same.

On High School — Milliken, Pothier, Winslow, Pease, Tillinghast, Weeks, Bentley.

On Grammar Schools — Tillinghast, Pothier, Bentley, Brownell, Hammond, Thornton, Reynolds.

On Primary Schools — Pothier, Winslow, Weeks, Pease, Rogers, Hawes, Flocken.

On Evening Schools and Ungraded Schools — Bentley, Weeks, Pease, Goodspeed, Hawes, Shaw, Brownell.

On Normal and Training School and Examination of Teachers — Winslow, Milliken, Goodspeed, Hammond, Flocken, Tillinghast, Reynolds.

On Manual Training and Music — Weeks, Winslow, Pease, Rogers, Brown, Shaw, Brownell.

On Text Books — Tillinghast, Milliken, Goodspeed, Brownell, Hawes, Blossom, Brown.

On Expenditures — Pothier, Milliken, Pease, Weeks, Bentley, Thornton, Rogers, Hammond, Reynolds, Higham.

On Howland Fund — Hammond, Bentley, Flocken, Reynolds, Thornton, Brownell, Higham.

On Rules — Rogers, Milliken, Hammond, Hawes, Thornton, Blossom, Shaw.

On Art — Thornton, Winslow, Goodspeed, Flocken, Tillinghast, Brown, Blossom.

ORGANIZATION OF THE COMMITTEE ON EXPENDITURES.

Chairman — JOSEPH C. POTHIER.

MEMBERS.

Frank A. Milliken,	Alfred Thornton,
Frank R. Pease,	John F. Rogers,
J. Frank Weeks,	Edgar B. Hammond,
Lewis E. Bentley,	Edward G. Reynolds,
Samuel Higham.	

SUB COMMITTEES ON SCHOOL BUILDINGS.

JOSEPH C. POTHIER.

High, Acushnet avenue, Thompson street, Committee rooms, all
unassigned property.

FRANK A. MILLIKEN.

Harrington Memorial, Middle street, I. W. Benjamin.

FRANK R. PEASE.

Phillips avenue, Merrimac street, Cedar Grove street.

J. FRANK WEEKS.

Horatio A. Kempton, Acushnet, S. A. Howland.

LEWIS E. BENTLEY.

Parker street, John H. Clifford, Clark street.

ALFRED THORNTON.

George H. Dunbar, Cannonville, Plainville, North.

JOHN F. ROGERS.

William H. Taylor, Robert C. Ingraham, Dartmouth street.

EDGAR B. HAMMOND.

Fifth street, Thomas A. Greene.

EDWARD G. REYNOLDS.

Mary B. White, Cedar street, Rockdale, Linden street.

Sub Committee on Books and Supplies — Joseph C. Pothier, Lewis E. Bentley, J. Frank Weeks.

Sub Committee on Janitors' Supplies — John F. Rogers, Alfred Thornton, Edgar B. Hammond.

Sub Committee on Pay Rolls — Frank A. Milliken, Frank R. Pease, Edward G. Reynolds.

COMMITTEE ON SALARIES.

Frank A. Milliken,
Ada W. Tillinghast,
Joseph C. Pothier,

Lewis E. Bentley,
Betsey B. Winslow,
J. Frank Weeks.

ORGANIZATION OF THE HOWLAND FUND COMMITTEE.

Chairman — EDGAR B. HAMMOND.

MEMBERS.

Lewis E. Bentley,
Louis M. Flocken,
Edward G. Reynolds,

Alfred Thornton,
George W. H. Brownell,
Samuel Higham.

SUB COMMITTEES.

Books — Edgar B. Hammond, Louis M. Flocken, Alfred Thornton.

Object and Miscellaneous Supplies — Lewis E. Bentley, Samuel Higham, Edward G. Reynolds.

Philosophical Instruments — Lewis E. Bentley, Alfred Thornton, George W. H. Brownell.

Musical Instruments — Louis M. Flocken, Lewis E. Bentley, George W. H. Brownell.

Teachers and Janitors.

HIGH SCHOOL.

Summer street, between Mill and North Streets.

Wilson R. Butler, principal,	15 Chestnut street,	\$3,000
William E. Sargent, sub-master and mathematical teacher,	396 Union street,	1,900
Charles R. Allen, science teacher,	75 Madison street,	1,800
Charles T. Bonney, jr., classics and science teacher,	343 So. Orchard street,	1,600
Edwin H. Harris, commercial teacher,	8 Park place,	1,500
Lydia J. Cranston, assistant,	129 Elm street,	1,000
M. Elizabeth Perley, " (supply teacher)		800
Amy S. Rhodes, "	35 Eighth street,	1,000
Mary E. Austin, "	512 Kempton street,	1,000
Lucretia N. Smith, "	500 Cottage street,	1,000
Emma K. Shaw, (absent on leave)	4 Morgan Terrace,	1,000
Clara E. Sherman, (supply teacher)	248 County street,	750
Helen L. Hadley, assistant,	220 Grinnell street,	1,000
Mabel W. Cleveland, "	81 North street,	1,000
Mary C. Wiggins, "	42 Summer street,	1,000
Adah M. Tasker, "	84 Court street,	1,000
Lena M. Newcastle, "	35 Eight street,	1,000
Edmond E. Baudoin, milit'y inst'r,	171 Court street,	350
Clerk, Sarah D. Ottiwell,	184 Kempton street,	600
Janitor, Phylander Chace,	303 County street,	1,000
Asst. Janitor, John D. Sherman,	37 Vine street,	700

HARRINGTON NORMAL AND TRAINING SCHOOL.

Court street, corner of Tremont street.

Grade.

Cora A. Newton, principal,	141 Chestnut street,	\$1,900
Mary E. Trask, vice-principal,	141 Chestnut street,	1,200
Carolyn D. Wood, normal teacher and nature supervisor in primary grades,	92 High street,	1,200
6 Kate Moore, assistant,	105 Park street,	675
5 Mary A. Days, "	464 County street,	625
4 Madeline Gile, "	141 Chestnut street,	675
3 Annie B. Gidley, "	No. Dartmouth, Mass.,	475
2 May Johnson, "	26 Seventh street,	675
1 Harriet L. Shafter, "	215 Maxfield street,	675

SENIORS — to graduate in December :

	Per week.
Ruth D. Beetle,	East French avenue, \$4.00
May U. Bruce,	112 High street, 4.00
Gertrude M. Cunningham,	131 South Second street, 4.00
Helen L. Davies,	809 County street, 4.00
Jennie L. Forsyth,	288 Palmer street, 4.00
Jeanette Greer,	148 Rotch street, 4.00
Charlotte A. Higham,	110 Merrimac street, 4.00
Ella R. Hillman,	52 Washington street, 4.00
Ellen Agnes Hurley,	218 Fourth street, 4.00
Alice W. Lowther,	253 Mill street, 4.00
Ada Moorhouse,	241 Coffin avenue, 4.00
Sadie M. Moulton,	211 Cedar street, 4.00
Augusta W. Pitman,	37 Foster street, 4.00
Lizzie A. Peirce,	22 Dartmouth street, 4.00
Mary M. Sullivan,	78 North street, 4.00

JUNIORS :

Alice C. Bartlett,	Acushnet, Mass.
Anna A. Cleary,	245 Brownell street.
Helen S. Gabriel,	1 Reed ct.
Margaret C. Gleason,	Clark's Point.
Isabella Harwood,	53 No. Ash street.
Elizabeth P. Higham,	61 Locust street.
Lucille C. Irving,	139 Chestnut street.

SCHOOL REPORT.

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Mary K. Kilcoin,	447 Cottage street.	
Mary E. Martin,	67 Mill street.	
Katherine M. O'Malley,	100 Clark street.	
Hazel R. Perry,	111 Hillman street.	
Mildred Perry,	111 Hillman street.	
Isabel L. Swift,	76 Hillman st.	
Mabel B. Taylor,	114 Willis street.	
Bessie B. Wheeler,	84 State street.	
Janitor, Robert Arnett,	141 Tremont street,	\$800

GRAMMAR SCHOOLS.

JOHN HENRY CLIFFORD :

Coggeshall street, corner Bowditch street.

Grade.

Edward B. Gray, principal,	Fairhaven, Mass.,	\$1,900
9 & 8 Emma A. McAfee, assistant,	63 Fifth street,	750
8 & 7 Lilian E. Page, "	Fairhaven, Mass.,	675
7 Lizzie A. Nickerson, "	337 Pleasant street,	625
6 Carrie J. Hunt, "	147 Maxfield street,	475
6 Emma A. Eaton, "	13 Sixth street,	625
6 Flora M. Corwin, "	111 Summer street,	625
5 Mary G. LaPlante, "	271 Pleasant street,	625
5 Susan Gifford, "	Fairhaven, Mass.,	625
5 Mabel F. Alden, "	232 Pleasant street,	625
5 Rachael M. Wordell, "	83 Hillman street,	625
5 Louise M. Newhall, "	232 Pleasant street,	625
4 Mary O. Lamb, "	37 Hill street,	625
Janitor, William Woolfenden,	907 County street,	900

PARKER STREET.

Parker street, near County street.

Grade.

Arthur F. Gilbert, principal,	2 Smith street,	\$1,900
9 Katherine Haley, assistant,	80 Willis street,	750
9 Gertrude M. Flanigan, "	181 Summer street,	750
8 Daisy M. Butts, "	116 Willis street,	675
8 Belle W. Burt, "	196 Cottage street,	675
7 Mary L. Pettey, "	22 Pope street,	625
7 Emily A. Delano, "	34 High street,	625
7 Louise E. Hicks, "	98 Hillman street,	625
6 A. Mabel Drew, "	215 Maxfield street,	625

6 Helen C. Hervey, assistant,	578 County street,	625
5 Lillian T. Thomas, "	354 Hathaway road,	625
5 Rose M. Meaney, "	285 Cedar street,	625
5 S. Agnes Holmes, "	671 County street,	625
Janitor, John H. Murphy,	184 Ashland street,	900

PARKER STREET ANNEX.

In Horatio A. Kempton Schoolhouse.

5 Marie Clifford,	35 Eight street.	625
6 Jane E. Conway,	116 Acushnet avenue.	575

MIDDLE STREET.

Summer street, between Elm and Middle streets.

Elwyn G. Campbell, principal,	Fairhaven, Mass.,	\$1,900
9 Lucy F. Winchester, assistant,	Fairhaven, Mass.,	750
9 Lucy B. Fish, "	37 Sycamore street,	750
8 Anastasia O'Keefe, "	174 Middle street,	675
8 Etta M. Abbott, "	233 Middle street,	675
7 Julia C. Gifford, "	18 Bedford street,	625
7 Lizzie E. Omev, "	63 Thomas street,	625
6 Clara S. Vincent, "	233 Middle street,	625
6 Helen McCoy, "	74 Walnut street,	625
5 Elizabeth D. Hicks, "	98 Hillman street,	625
5 Regina M. Paul, "	71 Morgan street,	625
Janitor, LeRoy G. Tripp,	71 North street,	800

FIFTH STREET.

Fifth street, corner of Russell street.

Allen F. Wood, principal,	111 Acushnet avenue,	\$1,900
9 Lydia A. Macreading, assistant,	33 Bonney street,	750
8 Sarah E. Stoddard, "	352 County street,	675
8 N. Emma Slack, "	79 Fifth street,	675
7 Mary W. Leymunion, "	53 So. Emerson street,	625
7 Mary A. Kane, "	127 Grinnell street,	625
6 Grace L. Carver, "	243 Acushnet avenue,	625
6 Annie C. Hart, "	35 Fifth street,	625
5 Anna C. Rogers, "	97 Acushnet avenue,	475
5 Lottie M. Allen, "	118 Fifth street,	625
5 Florence M. Ellis, "	26 Seventh street,	625
Janitor, Henry T. Phillips,	303 County street,	800

ROBERT C. INGRAHAM.

Rivet street, between Acushnet avenue and Second street.

Alice C. Munsey, principal,	111 Fourth street,	\$1,900
9 Harriet M. True, assistant,	358 Union street,	750
8 Elizabeth M. Briggs, "	351 County street,	675
8 Agnes M. James, "	21 Fifth street,	675
7 Ann L. Murkland, "	55 Walnut street,	625
7 Helen T. Maxfield, "	69 Fourth street,	625
7 Cora B. Cleveland, "	81 North street,	625
6 Anna H. Bartlett, "	110 So. Seventh street,	625
6 Elva A. Fellows, "	110 So. Seventh street,	625
6 Anna E. Van Allen, "	110 So. Seventh street,	625
5 Mary A. Macy, "	51 Russell street,	625
5 Mary A. Lee, "	96 New South street,	625
5 Mary E. Kane, "	530 Cottage street,	475
Janitor, Dennis J. McAuliffe,	17 Bonney street,	900

ROBERT C. INGRAHAM ANNEXES:

In Thompson street Schoolbuilding.

5 Laura M. King,	Fairhaven, Mass.	475
5 Annie R. Keith,	173 Washington street.	525

In Portable Schoolhouse in I. W. Benjamin Schoolyard.

6 Lula M. Bennett,	3 Lincoln street.	625
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MIXED SCHOOL.

WILLIAM H. TAYLOR.

Brock avenue.

6 Mary E. McAuliffe, principal,	75 Mill street,	\$800
5 Carrie M. Leavitt, assistant,	18 Seventh street,	625
4 Mary E. Gleason, "	Clark's Point,	625
3 Elizabeth J. Hurley, "	232 Sawyer street,	625
3 Ida M. Pettee, "	90 High street,	625
2 Adelaide M. Cota, "	85 Morgan street,	625
1 Mary A. Horan, "	19 Viall street,	525
1 Elizabeth C. Carter, "	211 Park street,	575
Janitor, Henry M. Gifford,	Dudley street,	700

PRIMARY SCHOOLS.

PHILLIPS AVENUE.

Phillips avenue, corner Bowditch street.

4 Carrie E. Footman, principal,	131 Elm street,	\$800
4 Edith W. Pratt, assistant,	95 School street,	625
3 Josephine C. Yates, "	151 Merrimac street,	475
3 Grace B. Gardner, "	13 Allen street,	625
2 Edith A. Austin, "	232 Pleasant street,	625
2 Elsie M. Isherwood, "	129 Austin street,	475
1 Alice B. Church, "	68 Forest street,	625
1 Helen I. Boyd, "	216 Middle street,	625
1 Julia V. Tresham, "	241 Brownell street,	475
Janitor, John H. Rudge,	131 Merrimac street,	700

CEDAR GROVE STREET.

Cedar Grove Street, near Acushnet avenue.

Agnes J. Dunlap, principal,	258 Pleasant street,	\$950
4 Kate Sweet, assistant,	287 Kempton street,	625
4 Mary R. Dalton, "	401 Purchase street,	625
3 Alice P. Winchester, "	Fairhaven, Mass.,	625
3 Mary F. Staples, "	13 Allen street,	625
3 Minnie H. Smythe, "	65 Chestnut street,	625
2 Sara Peckham, "	38 Fifth street,	625
2 Mary P. Brownell, "	133 Chestnut street,	625
2 Mary E. Boardman, "	1108 Acushnet avenue,	625
2 Harriet A. Taylor, "	114 Willis street,	625
1 Ethel E. Clapp, "	81 Hillman street,	575
1 Gertrude H. Poole, "	North Dartmouth,	625
1 Mary W. Snow, "	68 Parker street,	625
1 Mary I. McCormick, "	401 Purchase street,	625
1 Grace W. Dillingham, "	67 Willis street,	625

KINDERGARTEN DEPARTMENT.

Anna Hill,	216 Middle street,	550
Irene M. Bassett,	83 Summer street,	550
Janitor, Frederick O. Pollock,	171 Mill street,	900

SCHOOL REPORT.

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CLARK STREET.

Clark street, corner Myrtle street.

4	Grace W. Russell, principal,	417 Union street,	\$750
4 & 3	Isabella Luscomb, assistant,	245 Cedar street,	625
3	Annie S. Ray, "	41 Parker street,	625
2	Mary E. Bumpus, "	Fairhaven, Mass.,	625
2	Hannah E. Norton, "	52 Locust street,	625
1	Harriet J. Thorpe, "	10 Richmond street,	625
1	Lucy S. Leach, "	163 Maxfield street,	625
	Janitor, Edwin Jones,	35 Myrtle street,	700

MERRIMAC STREET.

Merrimac street, corner State street.

1	Harriet S. Damon, principal,	223 Pleasant street,	\$750
1	Margaret T. Kane, assistant,	530 Cottage street,	625
2	Mary F. McIntyre, "	69 Willis street,	625
3	Adelaide West, "	232 Pleasant street,	625
3	Anna I. Dexter, "	11 Franklin street,	625
4	Alice G. Lloyd, "	Fairhaven, Mass.,	475
	Janitor, Edward H. Field,	286 Pleasant street,	600

MARY B. WHITE.

Maxfield street, corner Pleasant street.

4	Mary E. Pasho, principal,	169 Grinnell street,	\$700
3	Clara C. M. Gage, assistant,	46 Summer street,	625
2	Annie E. Pearce, "	47 Locust street,	625
1	Margaret H. Holmes, "	661 County street,	625
	Janitor, William J. Cochrane,	189 North street,	550

HORATIO A. KEMPTON.

Shawmut avenue, near Maitland street.

4	Bessie P. Peirce, principal,	97 Willis street,	\$750
3	Edith M. B. Taber, assistant,	82 Walden street,	625
3 & 2	Amelia A. Murray, "	319 Park street,	625
2	Alice E. Jenney, "	43 Locust street,	625
1	Charlotte G. Tourtelotte, "	65 Walden street,	625
1	Clara M. Bennett, "	17 Lincoln street,	625
	Janitor, Edward I. Lawrence,	49 So. Emerson street,	700

CEDAR STREET.

Cedar street, corner Maxfield street.

4	Annie G. Brawley, principal,	68 Walden street,	\$750
3	Madeline A. Gregg, assistant,	443 Cottage street,	625
2	Esther W. Paul, "	103 Sycamore street,	625
2 & 1	Mabel L. Hathaway, "	216 Middle street,	625
1	Ruth M. Tripp, "	399 Union street,	625

KINDERGARTEN DEPARTMENT.

Ada S. Blake,	(absent on leave)	183 Kempton street,	\$550
Helen A. Gammons,	(supply teacher)	233 Shawmut avenue,	550
Susan F. Haskins,		87 Chestnut street,	500
Janitor, Robert J. Moncrieff,		42 Hazard street,	600

CANNONVILLE.

Rockdale avenue, near Kempton street.

4 & 3	Adelaide J. McFarlin, principal,	272 Cottage street,	\$675
2 & 1	Florence A. Poole, assistant,	128 Campbell street,	625
	Janitor, John A. Wall,	900 Rockdale avenue,	150

SYLVIA ANN HOWLAND.

Pleasant street, between High and Kempton streets.

4	Marion H. Swasey, principal,	25 So. Emerson street,	\$700
3	Mary J. Graham, assistant,	82 Court street,	625
2	Helen J. Kirk, "	27 Franklin street,	625
1	Helen L. Corish, "	86 Mill street,	625
1	Esther L. Karcher,	35 Hollyhock street,	475
	Janitor, Hiram T. Lumbert,	216 Cedar street,	700

THOMAS A. GREENE.

Fourth street, corner Madison street.

4	Annie L. Macreading, principal,	33 Bonney street,	\$800
4 & 3	Bertha C. Hathaway, assistant,	269 Arnold street,	625
3	Louise C. Loughlin, "	9 Lindsey street,	575
2	Nellie E. Ashley, "	116 So. Sixth street,	625
2	Sarah E. Sears, "	350 County street,	625
1	Caroline E. Bonney, "	67 Bedford street,	625
1	M. Elizabeth Durfee, "	151 Grinnell street,	575

Portable Schoolhouse.

1	Bessie M. Harwood,	53 No. Ash street,	525
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KINDERGARTEN DEPARTMENT.

Josephine H. Cobb,	78 Bedford street,	\$600
Ethel S. Gibbs,	27 Sycamore street,	550
Janitor, Timothy J. Crowley,	111 Cedar street,	700

ACUSHNET AVENUE.

Acushnet avenue, near Grinnell street.

Sarah E. Kirwin, principal,	101 So. Sixth street,	\$900
4 Gertrude L. Corish, assistant,	86 Mill street,	575
4 Mary E. Goggin, "	587 Acushnet avenue,	575
3 Sylvia W. Paulding, "	50 Fifth street,	625
3 Alice A. Taylor, "	299 County street,	625
2 Caroline S. Silva, "	63 Washington street,	625
2 Catherine O'Connell, "	37 Fifth street,	625
2 Eudora K. Barry, "	285 Cedar street,	625
1 Lida J. Brightman, "	120 Acushnet avenue,	625
1 Julia M. Pilling, "	90 Bedford street,	625
1 Harriet L. Cornell, "	35 Fifth street,	625
Janitor, Samuel S. Broadbent,	66 Washington street,	700

ACUSHNET AVENUE ANNEX.

In former South Mission Chapel, corner South Water and Leonard streets.

1 Lucy W. Howland,	So. Dartmouth, Mass.,	475
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THOMPSON STREET.

Thompson street, corner Crapo street.

4 Lila D. Hayne, principal,	Fairhaven, Mass.,	\$800
4 Annie B. Lyon, assistant,	13 Allen street,	625
3 Florence A. Howland, "	13 Allen street,	625
3 Catherine A. McGuinness, "	247 Fourth street,	625
2 Bertha E. Jenney, "	96 Morgan street,	625
2 Emily W. Davis, "	63 Bay street,	625
1 Sarah A. Winslow, "	315 County street,	625
1 Mary E. Cunningham, "	131 So. Second street,	575
Janitor, James T. Heron,	87 Washington street,	700

THOMPSON STREET ANNEX.

In Hickey's store, corner Blackmer and Second streets.

1 Ethel M. Rogers,	130 Summer street,	475
Janitor, William Clarke,	25 County street,	

I. W. BENJAMIN.

Division street, between Acushnet avenue and Second street.

Jane E. Gilmore, principal,	245 Acushnet avenue,	\$900
4 Nellie W. Davis, assistant,	115 Summer street,	625
4 Florence M. Anthony, "	6 Crapo street,	625
3 Ethel Bliss, "	233 Arnold street,	625
3 Carolyn B. Sylvia, "	110 South street,	475
3 Florence E. Moore, "	427 Pleasant street,	525
2 Sophie T. Anthony, "	123 Fifth street,	625
2 Cecelia A. Deane, "	77 Fifth street,	625
2 Frances A. Sequeira, "	307 Court street,	475
1 Emma L. Gartland, "	9 Washington street,	625
1 Laura C. McCabe, "	153 Grinnell street,	625
1 Mary F. Livingstone, "	16 Fifth street,	625
1 Anne J. Chase, "	11 Chestnut street,	625

Portable Schoolhouse.

1 Bessie M. Noland,	Fairhaven, Mass.,	525
Janitor, Edwin S. Tallman,	129 South street,	800

DARTMOUTH STREET.

Dartmouth street, corner Hickory street.

4 Isadore F. Eldridge. principal,	71 Bonney street,	\$800
4 Sarah E. Pratt, assistant,	106 Fourth street,	625
3 Carrie W. Bliss, "	233 Arnold street,	625
3 Carolyn S. Jones, "	55 Court street,	625
2 Nellie H. Cook, "	53 Walnut street,	625
2 Jeannette B. Fuller, "	34 Grape street,	625
1 Annie F. Smith, "	50 Fifth street,	625
1 Nellie L. Foster, "	8 Harrison street,	625
Janitor, John Lumbert,	1 Harrison street,	650

GEORGE H. DUNBAR.

Dartmouth street, corner Dunbar street.

4 M. Eva Schwall, principal,	21 Bonney street,	\$800
4 & 3 Mary V. Perry assistant,	93 Bedford street,	625
3 Mary E. Ferrell, "	106 High street,	575
2 Angela F. Bowie, "	111 Dartmouth street,	625
2 Helen G. Malley, "	218 Fourth street,	625
1 Alice I. Lawrence, "	351 County street,	625
1 Grace H. Potter, "	100 Madison street,	625
1 Jane A. Murphy, "	301 Arnold street,	625
Janitor, Thomas C. Holmans,	66 Cottage street,	700

UNGRADED AND PARTIALLY GRADED SCHOOLS.

ACUSHNET.

Acushnet avenue, near Lunds Corner.

9 & 8 Annie C. Maxfield, principal,	69 Fourth street,	\$900
7 & 6 Sarah A. Russ, assistant,	69 Fourth street,	625
5, 4 & 3 Naomi A. Turner, "	18 Seventh street,	625
2 & 1 Lucie White, "	Acushnet, Mass.,	625
Janitor, Jason F. Pierce,	River road,	450

NORTH.

County Road.

Mary I. Ashley, principal,	Clifford, Mass.,	600
Janitor, Paul C. Leonard,	Clifford, Mass.,	150

PLAINVILLE.

Plainville Road.

Emma G. Casey, principal,	Hathaway road,	600
Janitor, Philip S. Hatch,	Shawmut, Mass.,	75

ROCKDALE.

Hathaway road, near Rockdale avenue.

Lizzie M. Fisher, principal,	18 Seventh street,	\$700
Alice P. Terry, assistant,	179 Hathaway road,	625
Janitor, Harry O. Casey,	Hathaway road,	120

NORTH MILL SCHOOL.

J. H. Lowe block, 1017 Acushnet avenue, near Cedar Grove street.

Alice T. Corrigan,	264 Pleasant street,	625
Janitor, Frederick O. Pollock,	171 Mill street,	120

SOUTH MILL SCHOOL.

Meaney's hall, corner So. Water and Division streets.

Lney J. Remington, principal,	67 Fifth street,	675
Ruby M. Tripp, assistant,	71 Willis street,	625
Janitor, William Clarke,	25 County street,	625

SUPERVISORS AND SPECIAL TEACHERS.

DRAWING.

Lucy C. Bedlow, supervisor,	20 Seventh street,	\$1,500
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COOKING.

Mabel W. Chandler, special teacher,	35 Eight street,	650
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FRENCH.

Lois A. Leonard, special teacher, 9th grades.	3 Maple street,	700
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Lila B. Lewis, special teacher, 8th grades.	84 Spring street,	650
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SEWING.

Lena M. Willis, supervisor,	64 Russell street,	650
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Gertrude H. Leonard, assistant,	23 Seventh street,	550
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Harriet S. Phillips, (absent on leave).		550
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Emma S. Y. Alley, assistant, (supply teacher)	464 County street,	550
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Dora D. Parker, assistant,	133 Chestnut street,	550
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SINGING.

Fred H. Butterfield, supervisor,	140 Summer street,	1,900
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MANUAL TRAINING.

Edwin R. King, special teacher,	95 Walden street,	1,600
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PERMANENT SUBSTITUTE.

Janet Hunter,	55 No. Sixth street,	450
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EVENING DRAWING SCHOOL.

In the Textile School Building.

		Per night.
George H. Nye, principal,	23 Arnold street,	\$4.50
Lena M. Newcastle, assistant,	35 Eighth street,	3.00
Fred M. Reed, "	117 Fourth street,	3.00
Oliver H. Gardner, "	48 North street,	3.00

EVENING HIGH SCHOOL.

In High School Building.

		Per night.
William E. Sargent, principal,	396 Union street,	\$5.00
Edwin H. Harris, assistant,	8 Park place,	3.50
Charles R. Allen, "	75 Madison street,	3.50
Rudolph Lucas, "	296 Kempton street,	2.00
Lois A. Leonard, "	3 Maple street,	2.00
Lillian R. Davenport, "	356 Reed street,	1.00
Janitor, Phylander Chace,	303 County street,	2.00

EVENING ELEMENTARY SCHOOLS.

JOHN HENRY CLIFFORD SCHOOL.

Coggeshall street, corner Bowditch street.

	Per night.
Edward B. Gray, principal,	\$3.50
Carolyn S. Jones, assistant,	1.50
Mary L. Killigrew, "	1.50
Mary T. Gibbons, "	1.50
Sylvia W. Paulding, "	1.50
Florence A. Howland, "	1.50
Mary F. Staples, "	1.50
Alice Kelleher, "	1.50
Julia V. Tresham, "	1.50
Elizabeth A. Dunn, "	1.50
Mary E. Herlihy, "	1.50
Lizzie M. Stow, "	1.50
Margaret C. Gleason, "	1.50
Susan Gifford, "	1.50
Catherine A. McGuinness, "	1.50
Mary E. Gleason, "	1.50
Mary G. LaPlante, "	1.50
Mary Bryant, "	1.50
Edward W. Holmes, "	1.50
Carrie M. Leavitt, "	1.50
Mary E. Kane, "	1.50
Lizzie M. Fisher, "	1.50
Florence E. Moore, "	1.50
Mary I. McCormick, "	1.50
Harriet M. True, "	1.50
Janitor, William Woolfenden,	907 County street, 2.00

FIFTH STREET.

Fifth street, corner of Russell street.

	Per night.
Elwyn G. Campbell, principal,	\$3.50
Helen McCoy, assistant,	1.50
Mary V. Perry, "	1.50
Julia C. Gifford, "	1.50
Cecilia A. Deane, "	1.50
Mary Peckham, "	1.50
Ruth M. Tripp, "	1.50
Sarah Peckham, "	1.50
Kate Moore, "	1.50
Charlotte G. Tourtelotte, "	1.50
Jeannette B. Fuller, "	1.50
Caroline E. Bonney, "	1.50
Mary R. Dalton, "	1.50
Lottie S. Christopher, "	1.50
Mary E. Cunningham, "	1.50
Phebe E. Baker, "	1.50
Lida J. Brightman, "	1.50
Janitor, Henry T. Phillips, 303 County street,	2.00

PARKER STREET,

Parker street, near County street.

	Per night.
Mary A. Kane, principal,	\$3.50
Gertrude L. Corish, assistant,	1.50
Rose M. Meaney, "	1.50
Sara L. Tallman,, "	1.50
Harriet J. Thorpe, "	1.50
Margaret Holmes, "	1.50
Emily A. Delano, "	1.50
Mary F. McIntyre, "	1.50
Minnie H. Smythe, "	1.50
Lizzie E. Frasier, "	1.50
Amelia A. Murray, "	1.50
Carrie E. Footman, "	1.50
Ruby M. Tripp, "	1.50
Naomi A. Turner, "	1.50
Janitor, John J. Murphy, 184 Ashland street,	1.50

ROBERT C. INGRAHAM SCHOOL.

Rivet street, between Acushnet avenue and Second street.

	Per night.
Joseph P. Kennedy, principal,	\$3.50
Marie Clifford, assistant,	1.50
Kate K. Whelden, "	1.50
Emma L. Gartland, "	1.50
Annie F. Smith, "	1.50
Helen G. Malley, "	1.50
Esther L. Karcher, "	1.50
May B. Jason, "	1.50
Nellie H. Cook, "	1.50
Carolyn B. Sylvia, "	1.50
Mary E. Holden, "	1.50
Mary E. Goggin, "	1.50
Mary A. Horan, "	1.50
Anna R. Keith, "	1.50
Helen F. Murphy, "	1.50
Mary F. Livingstone, "	1.50
Jennie M. Deacon, "	1.50
Ethel Pollard, "	1.50
Grace B. Gardner, "	1.50
John Silva, "	2.00
Annie B. Lyon, "	1.50
M. Annie Taber, "	1.50
Minnie Wilson, "	1.50
Annie I. Burt, "	1.50
Janitor, Dennis J. McAuliffe, 17 Bonney street,	2.00

PHILLIPS AVENUE.

Phillips avenue, corner Bowditch street.

	Per night.
Eliza G. M. Jenney, principal,	\$3.00
Nellie L. Foster, assistant,	1.50
Sarah E. Howard, "	1.50
Annie C. Maxfield, "	1.50
Helen T. Maxfield, "	1.50
Sarah A. Russ, "	1.50
Effie B. Wallace, "	1.50
Grace D. Wixon, "	1.50
Janitor, John H. Rudge, 131 Merrimac street,	1.50

SPARE JANITORS.

Wallace C. Tilton,	21 Richmond street,	\$600
William Clarke,	25 County street,	600

SCHOOL DISTRICT LINES.

HIGH SCHOOL.

This High School district includes the whole city.

HARRINGTON.

PRIMARY LINES.

North Line—Beginning at Cottage street, the center of Kempton street to Park street; center of Park street to Mill street; center of Mill street to Florence street; center of Florence street to Court street; center of Court street to Dartmouth line.

East Line—Beginning at Kempton street, the center of Cedar street to Court street, not including Cedar street; center of Court street to County street; center of County street to Hawthorn street.

South Line—Beginning at County street, the center of Hawthorn street to Ash street; center of Ash street to Allen street; center of Allen street to Dartmouth line.

West Line—Dartmouth line from Allen street to Court street.

GRAMMAR LINES.

North Line—Beginning at Chancery street, the center of Kempton street to the city limit.

East Line—Beginning at Kempton street, the center of Chancery street to Hawthorn street.

South Line—Beginning at Chancery street, the center of Hawthorn street to the city limit.

West Line—Dartmouth line, from Hawthorn street to Kempton street.

JOHN HENRY CLIFFORD.

North Line—Beginning at water front, the center of Shaw street to a point on Shawmut avenue where Shaw street would strike it if extended.

East Line—Water front from Shaw street to Wamsutta street.

South Line—Beginning at the water front, the center of Wamsutta street to the railroad track; the railroad track to Weld street; center of Weld street to Mt. Pleasant street; center of Mt. Pleasant

street to Mt. Vernon street ; center of Mt. Vernon street to Shawmut avenue.

West Line—Beginning at Mt. Vernon street, the center of Shawmut avenue to Shaw street.

PARKER STREET.

North Line—Beginning at the railroad track, the center of Weld street to Mt. Pleasant street ; center of Mt. Pleasant street to Mt. Vernon street ; center of Mt. Vernon street to Shawmut avenue ; center of Shawmut avenue to Grand street ; center of Grand street to the city limit.

East Line—Beginning at the center of Weld street, the railroad track to the center of Wamsutta street ; center of Wamsutta street to the water front ; the water front to the center of North street.

South Line—Beginning at the water front the center of North street to Ash street ; center of Ash street to Maxfield street ; center of Maxfield street to Rockdale avenue ; center of Rockdale avenue to Milton street ; center of Milton street to city limit.

West Line—The Dartmouth line from a point where Milton street would strike if it extended to a point where Grand street would strike it if extended.

MIDDLE STREET.

North Line—Beginning at the water front, the center of North street to Ash street ; center of Ash street to Maxfield street ; center of Maxfield street to Rockdale avenue ; center of Rockdale avenue to Milton street ; center of Milton street to city limit.

East Line—City limit.

South Line—Beginning at the water front, the center of Commercial street to Water street ; center of Water street to Spring street ; center of Spring street to County street ; center of County street to Arnold street ; center of Arnold street to Cottage street ; center of Cottage street to Hawthorn street ; center of Hawthorn street to city limit.

West Line—Dartmouth line from Hawthorn street to a point where Milton street would strike it if extended.

Note. These boundaries represent the district for all grammar grades between the Parker Street school district on the north and the Fifth Street school district on the south, with the exception of the district assigned to the fifth and sixth grades in the Harrington Training school. (See Harrington school district lines).

FIFTH STREET.

North Line—Beginning at the water front, the center of Commercial street to Water street; center of Water street to Spring street; center of Spring street to County street; center of County street to Arnold street; center of Arnold street to Cottage street; center of Cottage street to Hawthorn street; center of Hawthorn street to city limit.

East Line—Water front from Commercial street to Grinnell street.

South Line—Beginning at water front, the center of Grinnell street to Dartmouth street; center of Dartmouth street to Cemetery line; along the Cemetery line to Rockdale avenue; centre of Rockdale avenue to Allen street; center of Allen street to the city limit.

West Line—Dartmouth line from Hawthorn street to Allen street.

ROBERT C. INGRAHAM.

North Line—Beginning at water front, the center of Grinnell street to Dartmouth street; center of Dartmouth street to south line of Cemetery; along the Cemetery line to Rockdale avenue; center of Rockdale avenue to Allen street; center of Allen street to city limit.

East Line—Water front from Grinnell street to Cove street.

South Line—Beginning at water front, the center of Cove street to County street; centre of County street to water front; beginning at water front, south side of Cove road to city limit.

Note. This south line determines the boundary between the Robert C. Ingraham school and the William H. Taylor school for the fifth, sixth and seventh grades. All pupils in the eighth and ninth grades living south of the center of Grinnell street attend the Robert C. Ingraham school.

West Line—Dartmouth line from Cove road to Allen street.

WILLIAM H. TAYLOR.

PRIMARY LINES.

North Line—Beginning at water front, center of Cove street to West French avenue; center of West French avenue to Cove road; center of Cove road to County street.

East line—Water front from Cove street south to city limit.

South Line—Water front.

West Line—Water front to County street.

GRAMMAR LINES.

North Line—Beginning at water front, the center of Cove street to County street ; center of County street to water front.

East Line—Water front from Cove street south to city limit.

South Line—Water front.

West Line—Water front to County street.

PHILLIPS AVENUE.*First and Second Grades.*

North Line—Beginning at the water front, the center of Shaw street to a point on the railroad track where Shaw street would strike it if extended.

East Line—Water front from Shaw street to Holly street.

South Line—Beginning at water front, the center of Holly street to the railroad track.

West Line—Railroad track from Holly street to Shaw street.

Third and Fourth Grades.

North Line—Beginning at the water front, the center of Shaw street to a point on the railroad track where Shaw street would strike it if extended.

East Line—Water front from Shaw street to Holly street.

South Line—Indefinite.

West Line—Railroad track from Holly street to Shaw street.

CEDAR GROVE STREET.

North Line—Beginning at the water front, the center of Holly street to the railroad track.

East Line—Water front from Holly street to a point just north of Maxfield street.

South Line—None.

West Line—Railroad track from a point just north of Maxfield street to Holly street.

CLARK STREET.

North Line—Beginning at the railroad track, the center of Shaw street to a point where Shaw street would strike Highland street if both streets were extended.

East Line—Railroad track from Shaw street to Austin street.

South Line—Beginning at the railroad track, the center of Austin street to Cottage street ; center of Cottage street to Durfee street ; center of Durfee street to Highland street.

West Line—Beginning at Durfee street, the center of Highland street to a point where Shaw street would strike Highland street if both streets were extended.

MERRIMAC STREET.

North Line—Beginning at the railroad track, the center of Austin street to a point where Chestnut street would strike it if extended.

East Line—Railroad track from Austin street to Pearl street.

South Line—Beginning at the railroad track, the center of Pearl street to County street ; center of County street to Willis street ; center of Willis street to Chestnut street.

West Line—Beginning at Willis street, the center of Chestnut street to a point on Austin street where Chestnut street would strike it if extended.

MARY B WHITE.

North Line—Beginning at the railroad track, the center of Pearl street to County street ; center of County street to Willis street ; center of Willis street to Chestnut street.

East Line—Railroad track from Pearl street to a point just north of Maxfield street ; the water front from a point just north of Maxfield street to North street.

South Line—Beginning at water front, the center of North street to Chestnut street.

West Line—Beginning at North street, the center of Chestnut street to Willis street.

HORATIO A. KEMPTON.

North Line—Beginning at a point where Highland street would strike Shaw street if both were extended ; the center of Shaw street to Shawmut avenue ; center of Shawmut avenue to Grand street ; center of Grand street to Rockdale avenue.

East Line—Beginning at a point on Hathaway road where Highland street would strike it if extended, the center of Highland street to Durfee street ; center of Durfee street to Cottage street ; center of Cottage street to Austin street ; center of Austin street to a point where Chestnut street would strike it if extended ; center of Chestnut street to Willis street.

South Line—Beginning at Chestnut street, the center of Willis street to the Oak Grove Cemetery; east line of cemetery to south side of Parker street; both sides Parker street to Rockdale avenue.

West Line—Beginning at Parker street, the center of Rockdale avenue to Grand street.

CEDAR STREET.

North Line—Beginning at Chestnut street, the center of Willis street to Oak Grove cemetery; east line of cemetery to Parker street; south side of Parker street, not including Parker street, to a point where Lindsey street would strike Parker street if extended.

East Line—Center of Chestnut street from Willis street to Kempton street.

South Line—Beginning at Chestnut street, the center of Kempton street to Park street; center of Park street to Mill street; center of Mill street to Lindsey street.

West Line—Beginning at Mill street, the center of Lindsey street to a point on Parker street where Lindsey street would strike it if extended.

CANNONVILLE.

North Line—Beginning at Lindsey street, both sides of Parker street to Rockdale avenue; center of Rockdale avenue to Grand street; center of Grand street to a point on Dartmouth line where Grand street would strike it if extended.

East Line—Beginning at Parker street, the center of Lindsey street to Mill street; center of Mill street to Florence street; center of Florence street to Court street.

South Line—Beginning at Florence street, the center of Court street to Dartmouth line.

West Line—Dartmouth line from Court street to a point where Grand street would strike it if extended.

SYLVIA ANN HOWLAND.

North Line—Beginning at the water front, the center of North street to Chestnut street.

East Line—Water front, from North street to Union street, including city islands.

South Line—Beginning at water front, the center of Union street to County street; center of County street to Court street; center of Court street to Cedar street.

West Line—Beginning at Court street, the center of Cedar street to Kempton street, including both sides of Cedar street; center of Kempton street to Chestnut street; center of Chestnut street to North street.

T. A. GREENE.

North Line—Beginning at water front, the center of Union street to County street.

East Line—Water front from Union street to Howland street.

South Line—Beginning at water front, the center of Howland street to Acushnet avenue; center of Acushnet avenue to Wing street; center of Wing street to County street.

West Line—Beginning at Wing street, the center of County street to Union street.

ACUSHNET AVENUE.

North Line—Beginning at water front, the center of Howland street to Acushnet avenue; center of Acushnet avenue to Wing street; center of Wing street to Fifth street.

East Line—Water front from Howland street to Rockland street.

South Line—Beginning at water front, the center of Rockland street to County street.

West Line—Center of County street from Rockland street to Grinnell street; between Wing street and Grinnell street; exclude County street, Sixth street and Fifth street.

THOMPSON STREET.

North Line—Beginning at the water front, the center of Rockland street to Bolton road.

East Line—Water front from Rockland street to Rivet street.

South Line—Beginning at water front, the center of Rivet street to Bolton road.

West Line—Bolton road from water front to Rivet street.

I. W. BENJAMIN.

North Line—Beginning at water front, the center of Rivet street to Crapo street.

East Line—Water front from Rivet street to Cove street.

South Line—Beginning at Water front, the centre of Cove street to West French avenue; center of West French avenue to Cove road; center of Cove road to Crapo street.

West Line—Center of Crapo street from Cove road to Rivet street.

DARTMOUTH STREET.

North Line—Beginning at County street, the center of Hawthorn street to Ash street ; center of Ash street to Allen street ; both sides of Allen street to Dartmouth line.

East Line—Beginning at Hawthorn street, the center of County street to Wing street ; south side of Wing street to Fifth street ; both sides of Fifth street to Grinnell street ; center of Grinnell street to County street ; center of County street to Rockland street.

South Line—Beginning at County street, the center of Rockland street to Bolton road ; center of Bolton road to Thompson street ; center of Thompson street to Dartmouth street ; center of Dartmouth street to south side Rural cemetery ; south side Rural cemetery to Winterville road ; center of Winterville road to Dartmouth line.

West Line—Dartmouth line from Winterville road to Allen street.

GEORGE H. DUNBAR.

North Line—Beginning at Crapo street, center of Rivet street to Bolton road ; center of Bolton road to Thompson street ; center of Thompson street to Dartmouth street ; center of Dartmouth street to south line of Rural cemetery ; south line of Rural cemetery to Winterville road ; center of Winterville road to Dartmouth line

East Line—Beginning at Rivet street, the center of Crapo street to Cove road.

South Line—Beginning at Crapo street, both sides of Cove road to Dartmouth line.

West Line—Dartmouth line from Cove road to Winterville road.

ACUSHNET.

For All Grades Below the Seventh.

North Line—Beginning at a point on the Acushnet line where Phillips road would strike it if extended, an imaginary line to the railroad track.

East Line—The Acushnet line from the north boundary to Shaw street.

South Line—Beginning at Acushnet line, the center of Shaw street to the railroad track.

West Line—Railroad track from Shaw street to the north boundary.

For All Grades Above the Sixth.

North Line—Beginning at the Acushnet line, the Freetown line to the railroad track.

East Line—Beginning at the Freetown line, the Acushnet line to Shaw street.

South Line—Beginning at the Acushnet line, the center of Shaw street to the railroad track.

West Line—Railroad track from Shaw street to the Freetown line.

NORTH.

For All Grades Below the Seventh.

North Line—Beginning at the Acushnet line, the Freetown line to the railroad track.

East Line—Beginning at the Freetown line, the Acushnet line to a point where Phillips road would strike it if extended.

South Line—Beginning at a point on Acushnet line where Phillips road would strike it if extended, an imaginary line to the railroad track.

West Line—Railroad track from the south line to the Freetown line.

PLAINVILLE.

North Line—Beginning at the railroad track, the Freetown line to Dartmouth line.

East Line—Beginning at the Freetown line, the railroad track to a point where Shaw street would strike it if extended.

South Line—Beginning at the railroad track, the center of Shaw street if extended to Shawmut avenue ; center of Shawmut avenue to the railroad track ; the railroad track to Dartmouth line.

West Line—Dartmouth line from a point where Shaw street would strike it if extended, to the Freetown line.

ROCKDALE.

North Line—Beginning at Shawmut avenue, the railroad track to the Dartmouth line.

East Line—Beginning at the railroad track, the center of Shawmut avenue to Grand street.

South Line—Beginning at Shawmut avenue, the center of Grand street to a point on Dartmouth line where Grand street would strike it if extended.

West Line—Dartmouth line from Grand street to the railroad track.

APPROVED LIST OF TEXT-BOOKS TO BE USED IN THE HIGH SCHOOL:

SCIENCE.

Allen's Laboratory Exercises in Elementary Physics. Edition for pupils.	Henry Holt & Co.
Atkinson's Lessons in Botany.	Henry Holt & Co.
Avery's Elements of Natural Philosophy.	Butler, Sheldon & Co.
Avery's School Physics.	Butler, Sheldon & Co.
Gifford's Elementary Lessons in Physics.	Thompson, Brown & Co.
Harvard College Elementary Physics.	
Jackson's Elementary Book on Electricity and Magnetism.	
Edition 1902.	Macmillan Co.
Merrill's Studies in Zoology.	American Book Co.
Mill's Realm of Nature.	Chas. Scribner's Sons.
Overton's Applied Physiology.	American Book Co.
Pierce's Problems in Elementary Physics.	Henry Holt & Co.
Remsen's Chemistry.	Henry Holt & Co.
Stone's Experimental Physics	Ginn & Co.
Storer & Lindsay's Elementary Manual of Chemistry.	
	American Book Co.
Youman's Botany.	American Book Co.

GEOGRAPHY.

Adam's Commercial Geography.	D. Appleton & Co.
Tarr's First Book of Physical Geography.	Macmillan Co.

PHYSIOLOGY AND HYGIENE.

Hutchison's Physiology and Hygiene.	Maynard, Merrill & Co.
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MATHEMATICS.

Atwood's Exercises in Algebra.	The Morse Co.
Harvard University Syllabus of Propositions in Geometry.	
Packard's New Commercial Arithmetic.	S. S. Packard, N. Y.
Well's Academic Arithmetic.	D. C. Heath & Co.
Wentworth's School Algebra.	Ginn & Co.
Wentworth's School Algebra, revised.	Ginn & Co.
Wentworth's College Algebra.	Ginn & Co.
Wentworth's New Plane and Solid Geometry, revised.	
	Ginn & Co.
Wentworth's Plane Geometry, revised.	Ginn & Co.
Wentworth's Trigonometry.	Ginn & Co.

MUSIC.

Beacon Song Collection. Silver, Burdett & Co.

BOOKKEEPING AND STENOGRAPHY.

Barnes' Shorthand Manual.
 Ellis' Actual Guide to Business Practice.
 Harper's Our Own Typewriter Instructor.
 Hill's Commercial Law. The Packard Text-Book Co.
 Cleveland, Ohio.
 E. E. Gaylord, agent,
 Beverly, Mass.
 Meservy's Bookkeeping. Thompson, Brown & Co.
 Munson's Art of Phonography. G. P. Putnam & Sons
 Munson's Universal Dictation Course. W. L. Musick Pub. Co.
 Williams & Rogers' Modern Illustrative Bookkeeping. Advanced
 course, special Albany and Troy edition.
 American Book Co.

HISTORY.

Allen's Short History of the Roman People. Ginn & Co
 Barnes' Brief History of Ancient Peoples. American Book Co.
 Botsford's History of Greece. Macmillan Co.
 Botsford's History of Rome. Macmillan Co.
 Fiske's Civil Government. Houghton, Mifflin & Co.
 Fiske's History of the United States. Houghton, Mifflin & Co.
 Lancaster's History of England.
 Larned's English History. Houghton, Mifflin & Co.
 Montgomery's Facts in English History. Ginn & Co.
 Myers's History of Greece. Ginn & Co.
 Swinton's Outlines of World History. American Book Co.

ENGLISH.

Addison's The Sir Roger de Coverly Papers. Thomas R. Shewell & Co.
 Brooks' English Literature. American Book Co.
 Bryant's Thanatopsis and Others. English Classic Series.
 Maynard, Merrill & Co.
 Buehler's Practical Exercises in English. Harper Bros.
 Burke's American Taxation. Maynard, Merrill & Co.
 Burke's Conciliation with American Colonies.
 Maynard, Merrill & Co.
 Byron's Child Harold. Houghton, Mifflin & Co.
 Carlyle & Hawthorne's Legends of the Province House, etc.
 (Modern Classic Series). Houghton, Mifflin & Co.

Carlyle's Essay on Burns.	Houghton, Mifflin & Co.
Chaucer's Prologue to the Canterbury Tales.	Maynard, Merrill & Co.
Church's Stories from the Iliad.	Macmillan Co.
Church's Stories from Virgil.	Macmillan Co.
Coleridge's The Ancient Mariner.	American Book Co.
Cooper's Last of the Mohicans.	Houghton, Mifflin & Co.
DeFoe's The Plague Year.	Ginn & Co.
DeQuincey's Revolt of the Tartars.	American Book Co.
Dowden's Shakespeare.	American Book Co.
Dryden's Palamon and Arcite.	American Book Co.
Emerson's Select Essays and Poems.	Allyn & Bacon.
Eliot's Silas Marner.	Houghton, Mifflin & Co.
Franklin's Autobiography.	Houghton, Mifflin & Co.
Goldsmith's The Traveller and Deserted Village.	Houghton, Mifflin & Co.
Goldsmith's Vicar of Wakefield (small).	Houghton, Mifflin & Co.
Goldsmith's Vicar of Wakefield (large).	Houghton, Mifflin & Co.
Hawthorne's House of Seven Gables.	Houghton, Mifflin & Co.
A. S. Hill's Foundation of Rhetoric.	American Book Co.
Holmes' The Chambered Nautilus.	Houghton, Mifflin & Co.
Irving's Sketch Book.	Ginn & Co.
Lewis' A First Book in Writing English.	Macmillan Co.
Lockwood & Emerson's Composition and Rhetoric.	Ginn & Co.
Longfellow's Evangeline. (Modern Classics Series).	
Longfellow's Tales of a Wayside Inn.	Houghton, Mifflin & Co.
Lowell's My Garden Acquaintance.	Houghton, Mifflin & Co.
Lowell's The Vision of Sir Launfal.	Houghton, Mifflin & Co.
Macaulay's Essay on Lord Clive.	American Book Co.
Macaulay's Second Essay on the Earl of Chatham.	American Book Co.
Macaulay's Essays on Milton & Addison.	Ginn & Co.
Macaulay's Lays of Ancient Rome.	Houghton, Mifflin & Co.
Milton's L'Allegro, Il Penseroso, Comus and Lycidas.	Houghton, Mifflin & Co.
Milton's Paradise Lost, Book I.	Sprague.
Palgrave's Golden Treasury.	Macmillan Co.
Palmer's Translation of Homer's Odyssey.	Houghton, Mifflin & Co.
Pancoast's Introduction to American Literature.	Henry Holt & Co.
Pope's Iliad, Books I, VI, XXII, XXIV.	Houghton, Mifflin & Co.
Scott's Ivanhoe.	Houghton, Mifflin & Co.

Scott's Kenilworth.	American Book Co.
Scott's Lady of the Lake.	Houghton, Mifflin & Co.
Scott's Quentin Durward.	Ginn & Co.
Scott's Rob Roy.	Ginn & Co.
Scott's Lay of the Last Minstrel.	Houghton, Mifflin & Co.
Shakespeare's A Mid-summer Night's Dream.	American Book Co.
Shakespeare's As You Like It, and Julius Cæsar, Vol. I. (Hudson edition).	Ginn & Co.
Shakespeare's Hamlet. (Hudson notes).	Ginn & Co.
Shakespeare's Macbeth, Eclectic English Classics.	American Book Co.
Shakespeare's Merchant of Venice. (Hudson edition).	Ginn & Co.
Shakespeare's Richard III.	American Book Co.
Southey's Life of Nelson.	American Book Co.
Southworth and Goddard's Elements of Composition and Grammar.	Benj. H. Sanborn & Co.
Spenser's Faerie Queen. (First Canto).	Maynard, Merrill & Co.
Swift's Gulliver's Travels. (Selections).	Houghton, Mifflin & Co.
Tennyson's Elaine.	Macmillan Co.
Tennyson's Guinevere.	Macmillan Co.
Tennyson's The Coming and Passing of Arthur.	Macmillan Co.
Tennyson's The Holy Grail.	Macmillan Co.
Tennyson's the Princess. (Annotated.)	Houghton, Mifflin & Co.
Thackeray's Vanity Fair.	Macmillan Co.
Underwood's American Authors.	Lee & Shepard.
Underwood's British Authors.	Lee & Shepard.
Webster's First Bunker Hill Oration.	Ginn & Co.
Wordsworth's The Excursion and Ode to Immortality.	Maynard, Merrill & Co.

GERMAN.

Boisen's German Prose.	D. C. Heath & Co.
Chamisso. Peter Schlemil's Wundersame Geschichte.	Henry Holt & Co.
Eichendorf's Aus dem Leben Eines Taugenichts.	D. C. Heath & Co.
Freytag. Aus dem Staat Friedrich's des Grossen.	D. C. Heath & Co.

Goethe's Hermann und Dorothea.	D. C. Heath & Co.
Goethe's Dichtung und Wahrheit.	
Grimm's Hans Marchen.	
Harris' German Composition.	D. C. Heath & Co.
Harris' German Lessons.	Henry Holt & Co.
Heine's Die Harzreise.	Ginn & Co.
Heath's German and English Dictionary.	D. C. Heath & Co.
Hewett's German Reader.	MacMillan Co.
Joynes' Meissner's German Grammar.	D. C. Heath & Co.
Otto's German Grammar.	Henry Holt & Co.
Lessing's Mina von Barnhelm.	American Book Co.
Riehl's Der Fluch der Schonheit.	American Book Co.
Schiller's Wilhelm Tell, Das Glied von der Glocke.	Henry Holt & Co.
Stein's German Composition.	
Von Hillern's Höher als die Kirche.	D. C. Heath & Co.
Wenckebach's Deutscher Anschauungs Unterricht.	Henry Holt & Co.
Wenckebach's Deutsche Grammatik.	Henry Holt & Co.
Wenckebach's Lyrics and Ballads, Die Schonstein Deutschen. Lieder.	Henry Holt & Co.

GREEK.

Autenrieth's Homeric Dictionary.	American Book Co.
Goodwin's Greek Grammar, revised.	Ginn & Co.
Goodwin & White's Xenophon's Anabasis (with vocabulary). Revised edition.	Ginn & Co.
Harper's Xenophon's Anabasis (for "Xenophon at Sight")	American Book Co.
Jones's Greek Prose Composition.	Scott, Foreman & Co.
Manatt's Xenophone's Hellenica, Books I-IV.	Ginn & Co.
Perrin's Homer's Odyssey (for "Homer at Sight").	
Seymour's School Iliad, Books I-VI and Vocabulary.	Ginn & Co.
White's First Lessons in Greek.	Ginn & Co.
White's First Greek Book.	
Whitton's Abridgement of Liddell and Scott's Greek Lexicon.	
Woodruff's Greek Prose Composition.	Sibley & Ducker.

LATIN.

Allen and Greenough's <i>Cæsar</i> (with vocabulary).	
Collar and Daniel's <i>First Latin Book</i> .	Ginn & Co.
Collar's <i>Practical Latin Composition</i> .	Ginn & Co.
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Harper's <i>Virgil</i> (for "Virgil at Sight").	American Book Co.
Jones's <i>Latin Prose Composition</i> .	Scott, Foreman & Co.
Kelsey's <i>Selections from Ovid</i> .	Allyn & Bacon,
Lindsay's <i>Nepos</i> .	American Book Co.
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Daudet's <i>Le Siège de Berlin</i> .	D. C. Heath & Co.
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Super's French Reader.	D. C. Heath & Co.
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Bryant's Library of Poetry and Song.	American Book Co.
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Prince's Arithmetic, Part II.	Ginn & Co.
Prince's Arithmetic Manual.	Ginn & Co.

SETS SUPPLEMENTARY BOOKS USED IN THE PRIMARY SCHOOLS.

GRADE I.

Arnold & Gilbert's Stepping Stones to Literature, First Reader.	Silver, Burdett & Co.
Bass's The Beginner's Reader.	D. C. Heath & Co.
Blaisdell's Child Life, Part I.	Macmillan Co.
Crosby's Our Little Book for Little Folks.	American Book Co.
Cyr's The Children's Primer.	Ginn & Co.
The Werner Primer.	Werner Co.

GRADE II.

Arnold & Gilbert's Stepping Stones to Literature, First Reader.	Silver, Burdett & Co.
Bass's Plant Life.	D. C. Heath & Co.
Carroll's Round the World, Part I.	Morse Co.
Cyr's The Children's First Reader.	Ginn & Co.
Davis's Animals, Wild and Tame.	Educational Pub. Co.
Ford's Nature's Byways.	Morse Co.
Lane's Stories for Children.	American Book Co.

GRADE III.

Arnold & Gilbert's Stepping Stones to Literature, Second Reader.	Silver, Burdett & Co.
Bass's Animal Life.	D. C. Heath & Co.
Carroll's Around the World, Part I.	Morse Co.
Cyr's The Children's Second Reader.	Ginn & Co.

Eggleston's Stories of Great Americans for Little Americans.	American Book Co.
Scudder's Fables and Folk Stories.	Houghton, Mifflin & Co.
Strong's All the Year Round, Autumn.	Ginn & Co.
Strong's All the Year Round, Winter.	Ginn & Co.
Strong's All the Year Round, Spring.	Ginn & Co.
Wilson's Nature Study in Elementary Schools, Second Reader.	Macmillan Co.

GRADE IV.

Andrew's Seven Little Sisters.	Ginn & Co.
Andrew's Each and All.	Ginn & Co.
Arnold & Gilbert's Stepping Stones to Literature, Third Reader.	Silver, Burdett & Co.
Carroll's Around the World, Part II.	Morse Co.
Clyde & Wallace's Through the Year, Book I.	Silver, Burdett & Co.
Clyde & Wallace's Through the Year, Book II.	Silver, Burdett & Co.
Cyr's The Children's Third Reader.	Ginn & Co.
Eggleston's Stories of American Life and Adventure.	American Book Co.
Norton's Heart of Oak Series, No. II.	D. C. Heath & Co.
Scudder's Hans Anderson's Stories.	Houghton, Mifflin & Co.

APPROVED LIST OF REFERENCE AND LIBRARY BOOKS NAMED IN THE COURSE OF STUDY FOR PRIMARY SCHOOLS.

GRADE I.

Baldwin's Fairy Stories and Fables.	American Book Co.
Beecher's The Anxious Leaf.	
Bellamy & Goodwin's Open Sesame, Vol. I.	Ginn & Co.
Brook's Stories of the Red Children.	Educational Pub. Co.
Field's Love Songs of Childhood.	Chas. Scribner's Sons.

Lovejoy's Nature in Verse.	Silver, Burdett & Co.
Poulsso's In the Child's World.	Milton, Bradley & Co., Springfield.
Shutes' Land of Song, Vol. I.	
Stevenson's Poems.	Chas. Scribner's Sons.
Wiltse's Folk-lore Stories and Proverbs.	Ginn & Co.

GRADE II.

Baldwin's Fairy Stories and Fables.	American Book Co.
Bellamy & Goodwin's Open Sesame, Vol. 1.	Ginn & Co.
Eddy's Friends and Helpers.	Ginn & Co.
Grimm's German Household Tales.	Houghton, Mifflin & Co.
Ingelow's Seven Times One.	
Longfellow's Complete Poems, Household edition.	Houghton, Mifflin & Co.
Lovejoy's Nature in Verse.	Silver, Burdett & Co.
Poulsso's In the Child's World.	Milton, Bradley & Co., Springfield.
Shaw's Big People and Little People of Other Lands.	American Book Co.
Shute's Land of Song, Vol. I.	Silver, Burdett & Co.
Wilson's Nature Study in Elementary Schools, Second Reader.	Macmillan & Co.

GRADE III.

Bellamy & Goodwin's Open Sesame, Vol. I.	Ginn & Co.
Dole's The Young Citizen.	D. C. Heath & Co.
Holmes' Complete Poems, Household edition.	Houghton, Mifflin & Co.
Larcom's Sir Robin.	
Longfellow's Complete Poems, Household edition.	Houghton, Mifflin & Co.
Lovejoy's Nature in Verse.	Silver, Burdett & Co.
Muloch's Adventures of Brownie.	A. L. Burt, N. Y.
Pratt's America's Stories for America's Children, Book I.	D. C. Heath & Co.
Payne's Geographical Nature Studies.	American Book Co.

- Shute's Land of Song, Vol. I. Silver, Burdett & Co.
 Whittier's Complete Poems, Household edition. Houghton, Mifflin & Co.
 Wilson's Nature Study in Elementary Schools, Second Reader. Macmillan & Co.

GRADE IV.

- Bellamy & Goodwin's Open Sesame, Vol. 1. Ginn & Co.
 Heman's Landing of the Pilgrims.
 Hunt's Legend of Christopher.
 Kipling's The Jungle Book Century Co.
 Lowell's Complete Poems, Household edition. Houghton, Mifflin & Co.
 Pratt's Legends of Norseland. Educational Pub. Co.
 Scudder's A Book of Legends. Houghton, Mifflin & Co.
 Tennyson's Complete Poems, Household edition. Houghton, Mifflin & Co.
 Whittier's Complete Poems, Household edition. Houghton, Mifflin & Co.

LIBRARY AND REFERENCE BOOKS USED IN GRAMMAR SCHOOLS.

ARITHMETIC.

- McLellan & Dewey's Psychology of Number. D. Appleton & Co.
 Smith's Methods of Teaching Elementary Mathematics. The Macmillan Co.

GRAMMAR AND LANGUAGE.

- Callaway's Charm and Courtesy in Letter-Writing. Dodd, Mead & Co.
 Lewis's Introduction to Study of Literature. Macmillan Co.

Pearson's Principles of Composition.	D. C. Heath & Co.
Westlake's How to Write Letters.	Christopher Sower Co.

HISTORY AND CIVICS.

American Statesmen, 31 Vols., indexed edition.	Houghton, Mifflin & Co.
Blaisdell's Short Stories from English History.	Ginn & Co.
Coffin's Historical and Biographical Series.	Harper Bros.
Cowan & Kendall's A Short History of England.	Macmillan Co.
Cyclopædia of American Biography.	D. Appleton & Co.
Fiske's Series on American History.	Houghton, Mifflin & Co.
Green's A Short History of English People.	Harper Bros.
Harper's Encyclopædia of History, 10 Vols.	Harper Bros.
Hart's Epochs of American History.	Longmans, Green & Co.
Channing's Student's History of U. S.	Macmillan Co.
Myer's General History.	Ginn & Co.
Old South Leaflets.	Old South Pub. Co.
Parkman's Colonial History Series, 12 Vols.	Little, Brown & Co.
Parkman's The Struggle for a Continent.	Little, Brown & Co.
Pitman's Stories of Old France.	American Book Co.
Sheldon's American History with Manual.	D. C. Heath & Co.
Warren's Stories from English History.	D. C. Heath & Co.

CIVICS.

Fiske's Civil Government.	Houghton, Mifflin & Co.
Strong & Schafer's Government of American People.	Houghton, Mifflin & Co.

GEOGRAPHY.

Adam's Commercial Geography.	D. Appleton & Co.
Ballou's Footprints of Travel.	Ginn & Co.

Chase & Clow's Stories of Industry, Vols. I-II.

Educational Pub. Co.

Great American Industry, Vol. I (Coal Mines).

A. Flanagan Co.

Green's Coal and Coal Mines.

Houghton, Mifflin & Co.

International Geography. Mill (Editor).

D. Appleton & Co.

National Geographic Monographs on the Physiography of the United States.

American Book Co.

Redway's The New Basis of Geography.

The Macmillan Co.

Shaler's Story of Our Continent.

D. C. Heath & Co.

The Journal of School, (yearly subscription).

Rand, McNally & Co.,
Chicago.

NATURE STUDY. $\left\{ \begin{array}{l} a \text{ Ornithology and Zoology.} \\ b \text{ Botany.} \\ c \text{ Geology.} \end{array} \right.$

ORNITHOLOGY AND ZOOLOGY.

Chapman's Handbook of Birds of Eastern North America.

D. Appleton & Co.

Coues' Key to North American Birds.

Estes & Lauriat.

Merriam's Birds of Village and Field.

Houghton, Mifflin & Co.

Wright's Citizen Bird.

Macmillan Co.

Wright's Birdcraft.

Macmillan Co.

BOTANY.

Bailey's Botany.

Macmillan Co.

Bergen's Elements of Botany.

Ginn & Co.

Gibson's Sharp Eyes.

Harper & Bros.

Gray's Manual of Botany.

American Book Co.

Gray's School and Field Botany.

American Book Co.

Jackman's Nature Study.

Henry Holt & Co.

Lange's Handbook of Nature Study.

Macmillan Co.

Newhall's Trees of N. E. America.

G. P. Putnam's Sons.

Newhall's Shrubs of N. E. America.

G. P. Putnam's Sons.

Parson's How to Know the Ferns.

Chas. Scribner's Sons.

GEOLOGY.

Dana's New Manual of Geology.	American Book Co.
Heilprin's The Earth and Its Story.	Silver, Burdett & Co.
Hinman's Eclectic Physical Geography.	American Book Co.
Shaler's First Book in Geology.	D. C. Heath & Co.

ETHICS.

Comegg's Primer of Ethics.	Ginn & Co.
Everett's Ethics for Young People.	Ginn & Co.

ART.

College Histories of Art.	Longmans, Green & Co.
Crane's Art and Formation of Taste.	Educational Pub. Co.
Doremus's Great Lights in Sculpture and Painting.	D. Appleton & Co.
Hamlin's History of Architecture.	Longmans, Green & Co.
Hartman's History of American Art.	L. C. Page & Co.
Hoyt's World's Painters.	Ginn & Co.
Marquandt's History of Sculpture.	Longmans, Green & Co.
Robinson's Catalogue of Casts. (Boston Museum).	Houghton, Mifflin & Co.
Van Dyke's History of Art.	Longmans, Green & Co.
Van Dyke's How to Judge a Picture.	Eaton & Mains.

MUSIC.

Mason & Butterfield's Teacher's Manual.	Ginn & Co.
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PEDAGOGY AND HISTORY OF EDUCATION.

Adler's Moral Instruction of Children.	D. Appleton & Co.
Compayre's History of Pedagogy.	D. C. Heath & Co.
Davidson's A History of Education.	Chas. Scribner's Sons.
Halleck's Education of the Central Nervous System.	Macmillan Co.

Hanus' Educational Aims and Educational Values.	Macmillan Co.
Hinsdale's The Art of Study.	American Book Co.
James' Talks to Teachers and Students of Psychology.	Henry Holt & Co.
Rosenkranz's The Philosophy of Education.	D. Appleton & Co.
Teachers' Series of Books and Methods.	
Titchener's A Primer of Psychology.	Macmillan Co.
Tompkins' Philosophy of Teaching.	Ginn & Co.

APPROVED LIST OF REFERENCE AND LIBRARY BOOKS NOT NAMED IN THE COURSE OF STUDY FOR PRIMARY SCHOOLS.

Arnold & Kittredge's The Mother Tongue.	Ginn & Co.
Beal's Seed Dispersal.	Ginn & Co.
Bergen's Elements of Botany.	Ginn & Co.
Burton's Stories of the Indians of New England.	The Morse Co.
Buckley's Life and Her Children.	D. Appleton & Co.
Buckley's Winner's in Life's Race.	D. Appleton & Co.
Buckley's Fairy Land of Science.	D. Appleton & Co.
Chapman's Handbook of Birds of Eastern North America.	D. Appleton & Co.
Chatty Readings in Elementary Science, Books I, II.	Longmans, Green & Co.
Comstock's Insect Life.	D. Appleton & Co.
Dickson's From the Old World to the New.	Macmillan Co.
Dana's How to Know the Wild Flowers.	Chas. Scribner's Sons.
Flagg's A Year Among Trees.	Educational Pub. Co.
Frye's Brooks and Brook Basins.	Ginn & Co.
Gayley's Classic Myths in English Literature.	Ginn & Co.
Gilbert & Harris' Graded List of Poems and Stories.	Silver, Burdett & Co.

- Gymnastic Games—Alumni of Boston Normal School of Gymnastics.
Geo. H. Ellis, Printer,
Boston.
- Headland's The Chinese Boy and Girl. Fleming H. Revell Co.
- Hervey's Flora of New Bedford. H. S. Hutchinson.
- Hodge's Nature Study and Life. Ginn & Co.
- Howland's Practical Hints for Teachers. D. Appleton & Co.
- Howland's Practical Hints for the Teachers of Public Schools.
D. Appleton & Co.
- Hyatt's Science Guides, Pebbles. D. C. Heath & Co.
- James' Talks to Teachers. Henry Holt & Co.
- Joy's Arithmetic Without a Pencil. D. C. Heath & Co.
- Judd's Classic Myths. Rand, McNally & Co.
- Judd's Wigwam Stories. Ginn & Co.
- Keeler's Our Native Trees. Chas. Scribner's Sons.
- Kellogg's Teaching Reading in Ten Cities. Educational Pub. Co.
- Laing's Reading, a Manual for Teachers. D. C. Heath & Co.
- Long's Secrets of the Woods. Ginn & Co.
- Long's Ways of Woodfolk. Ginn & Co.
- Long's Wilderness Ways. Ginn & Co.
- Malleson's Early Training of Children. D. C. Heath & Co.
- McMurry's Elements of General Methods. Public School Pub. Co.,
Bloomington, Ill.
- McMurry's Methods of the Recitation. Public School Pub. Co.,
Bloomington, Ill.
- Menefee's Child Stories from the Masters. Rand, McNally & Co.
- Newell's Outlines of Lessons in Botany, Part I.
Ginn & Co.
- Newell's Outlines of Lessons in Botany, Part II.
Ginn & Co.
- New Hampshire College Leaflets. Durham, N. H.
- Perdue & Griswold's Language Through Nature, Literature and Art.
Rand, McNally & Co.
- Shaler's A First Book in Geology. D. C. Heath & Co.
- Smith's Eskimo Stories. Rand, McNally & Co.
- Schwatka's Little Children of the Cold. Educational Pub. Co.
- Starr's American Indians. D. C. Heath & Co.
- Starr's Strange People. D. C. Heath & Co.
- Tarr & McMurry's Home Geography. Macmillan Co.
- Waterman, Claymonds & Hughes' Graded Memory Selections.
Educational Pub. Co.
- Weed's Seed Travelers. Ginn & Co.
- Weed's Stories of Insect Life, Part I. Ginn & Co.
- Weed's Stories of Insect Life, Part II. Ginn & Co.

SUPPLEMENTARY BOOKS IN SETS OF THREE FOR PRIMARY SCHOOLS.

Baldwin's Readers.	Educational Pub. Co.
Brook's Stories of the Red Children.	Educational Pub. Co.
Chaplin & Humphrey's Little Folks of Other Lands.	Lothrop & Co.
Grimm's German Household Tales, III, IV.	American Book Co.
Holbrook's Hiawatha Primer.	Houghton, Mifflin & Co.
Longfellow's Leaflets, Riverside Press. (Longfellow, Whittier, Lowell, Holmes.)	Houghton, Mifflin & Co.
Macomber's Stories of Great Inventors. (Fulton, Whitney, Morse, Cooper, Edison.)	Educational Pub. Co.
Pratt's Legends of Norseland.	Educational Pub. Co.
Pratt's Stories of Colonial Children.	Educational Pub. Co.
Whittier's Child Life, selections from.	Houghton, Mifflin & Co.
Young Folks Library. Lincoln, No. 31. Franklin, No. 29.	Educational Pub. Co.

BOOKS USED IN EVENING SCHOOLS.

HIGH.

Addison's The Sir Roger de Coverly Papers.	Thomas E. Shewell & Co
Hill's Foundation of Rhetoric.	American Book Co.
Irving's The Sketch Book.	Ginn & Co.
Lockwood & Emerson's Composition and Rhetoric.	Ginn & Co.
Shakespeare's Macbeth, Eclectic English Classics.	American Book Co.
Underwood's American Authors.	Lee & Shepard.
Underwood's British Authors.	Lee & Shepard.
Well's Academic Arithmetic.	D. C. Heath & Co.
Wentworth's School Algebra.	Ginn & Co.
Munson's Art of Phonography.	G. P. Putnam & Son.

- Allen's Laboratory Exercises in Elementary Physics.
Henry Holt & Co.
- Jackson's Elementary Book on Electricity and Magnetism.
Edition 1902. Macmillan Co.
- Storer & Lindsay's Elementary Manual of Chemistry,
American Book Co.
- Collar & Daniel's First Latin Book. Ginn & Co.
- Bedollière's La Mère Michel et Son Chat. D. C. Heath & Co.
- Chardenal's Complete French Course. Allyn & Bacon.
- Erkmann-Chatrion's Contes Fantastiques. Henry Holt & Co.
- Halevy's L'Abbe Constantin. D. C. Heath & Co.
- Spier's & Surenné's French Dictionary. D. Appleton & Co.
- Eichendorf's Aus dem Leben Eines Taugenichts.
D. C. Heath & Co.

BOOKS USED IN PORTUGUESE CLASS IN ELEMENTARY
EVENING SCHOOL.

- Cabano's Portuguese Grammar. Cupples & Schoenof.
- Chaga's Historia Alegee de Portugal. Cupples & Schoenof.

PEDAGOGICAL LIBRARY.

This library is provided by the School Board for the use of teachers. It is located at the office of the Superintendent of Schools and is accessible when the office is open.

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| 1. The History of Pedagogy. | Compayré. |
| 2. The Elements of Pedagogy. | White. |
| 3. Systems of Education. | Gill. |
| 4. John Amos Comenius. | Laurie. |
| 5. Essays on Educational Reformers. | Quick. |
| 6. Particular Systems of Education, Phil. of Edu., Part III. | Rosenkranz. |
| 7. Higher Schools and Universities in Germany. | Arnold. |
| 8. Some Thoughts Concerning Education. | Locke. |
| 9. Emile (or Concerning Education). | Rosseau. |
| 10. Leonard and Gertrude. | Pestalozzi. |
| 11. Levana, or The Doctrine of Education. | Richter. |
| 12. The Education of Man. | Froebel. |
| 13. Education. | Spencer. |
| 14. Lectures and Annual Reports, Vol. I. | Mann. |
| 15. Lectures and Annual Reports, Vol. II. | Mann. |
| 16. Lectures and Annual Reports, Vol. III. | Mann. |
| 17. Lecture on the Science and Art of Education. | Payne. |
| 18. The Philosophy of Education. | Tate. |
| 19. The Elements of Pedagogy. | White. |
| 20. On Teaching: Its Ends and Means. | Calderwood. |
| 21. The Principles and Practice of Common School
Education. | Currie. |
| 22. Lectures on Teaching. | Fitch. |
| 23. Lectures on Teaching. | Fitch. |
| 24. Methods of Historical Study. | Freeman. |

25. Methods of Teaching History.	Hall.
26. How Shall My Child Be Taught?	L. P. Hopkins.
27. Theory and Practice of Teaching.	Page.
28. Talks on Teaching.	Parker.
29. Art of School Management.	Baldwin.
30. Art of School Management.	Baldwin.
31. School Management.	Landon.
32. On Teaching Geography.	Geikie.
33. Education and Educators.	Kay.
34. Scholemaster.	Ascham.
35. Outline Study of Man.	Hopkins.
36. School Economy.	Wickersham.
37. School Room Guide.	DeGraff.
38. Manual of Method and Organization.	Robinson.
39. Lectures on Geography.	Strachey.
40. The Action of Examinations.	Latham.
41. Object Lessons.	Walker.
42. The True Order of Studies.	Hill.
43. Theory and Practice of Teaching.	Thring.
44. School Journal, Vol. I.	Mann.
45. " " " II.	"
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57. " " " XIV.	"
58. Methods and Aids in Geography.	King.
59. Methods and Aids in Geography.	King.
60. Contributions to the Science of Education.	Payne.
61. Power and Authority of School Officers and Teachers.	
62. Power and Authority of School Officers and Teachers.	
63. Compayré's Lectures on Pedagogy.	Payne.
64. Rosmini's Method in Education.	Grey.
65. Bibliography of Education.	Hall.
66. Lectures to Kindergartners.	Peabody.
67. Early Training of Children.	Malleson.

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| 68. Habit in Education. | Hall. |
| 69. Modern Petrography. | Williams. |
| 70. The Study of Rhetoric. | Genung. |
| 71. English in the Preparatory Schools. | Hoffcut. |
| 72. English in the Schools. | Woodward. |
| 73. How to Teach Reading. | Hall. |
| 74. The Study of Latin. | Morris. |
| 75. Mathematical Teaching. | Safford. |
| 76. How to Study Geography. | Parker. |
| 77. Studies in Pedagogy. | Morgan. |
| 78. Educational Mosaics. | Morgan. |
| 79. Elements of Psychology. | Hewett. |
| 80. Topics in Geography. | Nicols. |
| 81. Compayré's Lectures on Pedagogy. | Payne. |
| 82. Notes of Lessons for Young Teachers. | Taylor. |
| 83. Geography Teaching and Sand Modeling. | Frye. |
| 84. Geography Teaching and Sand Modeling. | Frye. |
| 85. How to Teach Language. | Metcalf. |
| 86. How to Teach Geography. | Carver. |
| 87. Arithmetic in Primary Schools. | Dunton. |
| 88. Cyclopædia of Education. | Kiddles & Schem. |
| 89. Orbis Pictus. | Comenius. |
| 90. Free Schools of the United States. | F. Adams. |
| 91. Prosperity or Pauperism? | Earl of Meath. |
| 92. Outlines of Psychology. | Sully. |
| 93. Primary Education. | Jacobi. |
| 94. Order of Exercises in Elocution. | Parker. |
| 95. Life and Education of Laura D. Bridgman. | Lamson. |
| 96. School Inspection. | Fearon. |
| 97. True Order of Studies. | Hill. |
| 98. Kindergarten Culture. | Hailman. |
| 99. Education and School. | Thring. |
| 100. Reminiscences of Froebel, by Von Bülon. | Translated by
Mrs. Horace Mann |
| 101. Education in Its Relation to Manual Industry. | McArthur. |
| 102. Schools and Studies. | Hinsdale. |
| 103. The Quincy Methods. | Partridge. |
| 104. The Teacher. | Blakiston. |
| 105. Reports on Elementary Schools. | Matthew Arnold. |
| 106. Addresses on Educational Subjects. | Laurie. |
| 107. Scientific Industries Explained. | Watt. |
| 108. The Teacher. | Abbott. |

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| 109. | Development of the Intellect. | Preyer. |
| 110. | Memory—What It Is and How to Improve It. | Kay. |
| 111. | Methods of Teaching Geography. | Crocker. |
| 112. | Teacher's Manual of Object Lessons. | Park. |
| 113. | Three Lectures on Education. | Dr. Oppler. |
| 114. | Chips from a Teacher's Workshop. | Klemm. |
| 115. | First Three Years of Childhood. | Perez. |
| 116. | Physical Education. | Maclaren. |
| 117. | School Management. | Kellogg. |
| 118. | Day Dreams of a Schoolmaster. | Thompson. |
| 119. | Autobiography of Froebel. | |
| 120. | Educational Theories. | Browning. |
| 121. | A Tractate on Education. | Milton. |
| 122. | Securing and Retaining Attention. | Hughes. |
| 123. | Three Essays — Study of English Literature. | Blaisdell. |
| 124. | Old Greek Education. | Mahaffy. |
| 125. | Locke's Conduct of the Understanding. | Fowler. |
| 126. | Gill's School Management. | John Gill. |
| 127. | Cultivation of the Memory. | |
| 128. | Cultivation of the Senses. | |
| 129. | On Discipline. | |
| 130. | On the Use of Words. | |
| 131. | On Class Teaching. | |
| 132. | Handbook of Punctuation. | Bigelow. |
| 133. | Book of Object Lessons. | Lake. |
| 134. | Swedish System of Educational Gymnastics. | Baron Nils Posse. |
| 135. | Compayré's History of Pedagogy. | Payne. |
| 136. | Pedagogy. | Hewitt. |
| 137. | Courses and Methods. | Prince. |
| 138. | Pestalozzi: His Life and Work. | De Guimps. |
| 139. | Elementary Psychology. | Baker. |
| 140. | Linders' Empirical Psychology. | De Garmo. |
| 141. | The Manual Training School. | Woodward. |
| 142. | Introduction to Shakespéare. | Corson. |
| 143. | Teacher's Manual of Geography. | Redway. |
| 144. | Teacher's Manual of Geography. | Redway. |
| 145. | Insecta. | Hyatt. |
| 146. | School Hygiene. | Newsholme. |
| 147. | Astronomical Geography. | Jackson. |
| 148. | Nineteenth Century Authors. | Hodgkins. |

149. The Reproduction of Geographical Forms. Redway.
150. Natural History Object Lessons. Ricks.
151. Essentials of Method. De Garmo.
152. Industrial Education. Seidel.
153. A Conference on Manual Training.
154. A History of Education. Painter.
155. The Rise and Early Constitution of Universities. S. S. Laurie, LL. D.
156. The Ventilation and Warming of School Buildings. G. B. Morrison.
157. The Senses and the Will. W. Preyer.
158. Education in the United States. Richard G. Boone.
159. European Schools. L. R. Klemm, Ph. D.
160. Practical Hints for the Teachers of Public Schools. George Howland.
161. School Supervision. J. L. Pickard, LL. D.
162. Higher Education of Women in Europe. Helen Lange.
163. A Text-Book in Psychology. Johann Friedrich Herbert.
164. The Mother Play and Nursery Songs. Froebel.
165. The Paradise of Childhood. Edw. Niebe.
166. Methods in the Schools of Germany. John T. Prince.
167. Old Greek Life. J. P. Mahaffy.
168. Homer. W. E. Gladstone.
169. Logic. W. S. Jevons.
170. Classical Geography. H. F. Tozer.
171. Philology. John Peile.
172. History of Greece. C. A. Fyffe.
173. History of Europe. E. A. Freeman.
174. History of Egypt. F. C. H. Wendell.
175. History of Rome. M. Creighton.
176. Astronomy. J. N. Lockyer.
177. Botany. J. D. Hooker.
178. Chemistry. H. E. Roscoe.
179. Geology. A. Geikie.
180. Physiology—Hygiene. M. Foster and R. S. Tracy.
181. Natural Resources of the United States. J. Harris Patton.
182. Geography. George Grove.
183. Physical Geography. Prof. Geikie.
184. English Literature. Rev. Stopford Brooke.
185. English Composition. John Nichol.

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| 186. | Political Economy. | W. S. Jevons. |
| 187. | Medvæval Civilization. | G. B. Adams. |
| 188. | Roman Antiquities. | A. S. Wilkins. |
| 189. | The Development of the Roman Constitution. | Ambrose Tighe. |
| 190. | Greek Literature. | R. C. Jebb. |
| 191. | Exercises in Wood-Working. | Sickels. |
| 192. | First Lessons in Wood-Working. | Alfred G. Compton. |
| 193. | History and Science of Education. | Shoup. |
| 194. | Graded Didactics, Vol. I. | Shoup. |
| 195. | Graded Didactics, Vol. II. | Shoup. |
| 196. | Chapters on Plant Life. | Herrick. |
| 197. | The Three Pronunciations of Latin. | Fisher. |
| 198. | Comparative Geography. | Ritter. |
| 199. | Points of History. | Lord. |
| 200. | Animal Life in the Sea and on the Land. | Sarah Cooper. |
| 201. | Geographical Studies. | Ritter. |
| 202. | Eclectic Physical Geography. | Russell Hinman. |
| 203. | Development Lessons. | De Graff |
| 204. | Arbor Day Manual. | Skinner. |
| 205. | Sewing, Illustrated. | Louise J. Kirkwood. |
| 206. | Longman's Object Lessons. | David Salmon. |
| 207. | French Schools Through American Eyes. | James Russell Parsons, Jr. |
| 208. | Children's Rights. | Kate Douglas Wiggin. |
| 209. | The Theory of Educational Sloyd. | Solomon. |
| 210. | Kindergarten Stories and Morning Talks. | Wiltse. |
| 211. | Entomology for Beginners. | Packard. |
| 212. | Nature Study. | Jackman. |
| 213. | How to Know the Wild Flowers. | Dana. |
| 214. | Flowers and Their Pedigrees. | Grant Allen. |
| 215. | Native Trees. | L. W. Russell. |
| 216. | A Year Among the Trees. | Wilson Flag. |
| 217. | Trees in the Northern U. S. | Apgar. |
| 218. | From Seed to Leaf. | Newell. |
| 219. | "Manu et Mente" Working Drawings in Sloyd. | Gustaf Larsson. |
| 220. | Report of the Commission on Manual Training
and Industrial Education. | |
| 221. | Lange's Apperception. | De Garmo. |
| 222. | Inventional Geometry. | Wm. Geo. Spencer. |

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| 223. | Inventional Geometry. | Wm. Geo. Spencer. |
| 224. | Trees of N. E. America. | Chas. S. Newhall. |
| 225. | Shrubs of N. E. America. | Chas. S. Newhall. |
| 226. | Human Body. | Martin. |
| 227. | Commissioners' Report on Manual Training. | |
| 228. | Report of the Committee of Ten. | |
| 229. | Talks on Pedagogics. | Parker. |
| 230. | Talks on Pedagogics. | Parker. |
| 231. | Talks on Pedagogics. | Parker. |
| 232. | Outlines of Pedagogics. | Rein. |
| 233. | Mistakes in Teaching. | Hughes. |
| 234. | How to Know the Wild Flowers. | Mrs. Wm. Starr Dana. |
| 235. | Eclectic Physical Geography. | Hinman. |
| 236. | Elementary Meteorology. | Davis. |
| 237. | The Realm of Nature. | Mill. |
| 238. | Sea and Land. | Shaler. |
| 239. | Methods of Mind Training. | Aiken. |
| 240. | First Book in Geology. | Shaler. |
| 241. | The Psychology of Number. | McLellan and Dewey. |
| 242. | Physiography. | T. H. Huxley. |
| 243. | Evolution of the Massachusetts Public School System. | Geo. H. Martin. |
| 244. | Education from a National Standpoint. | Fouillée. |
| 245. | Pedagogics of the Kindergarten. | Froebel. |
| 246. | Symbolic Education. | Susan E. Blow. |
| 247. | Moral Instruction of Children. | Adler. |
| 248. | How to Study and Teach History. | Hinsdale. |
| 249. | Principles of Education Practically Applied. | Greenwood. |
| 250. | Systematic Science Teaching. | Howe. |
| 251. | Studies of Childhood. | Sully. |
| 252. | Geography, Physical, Historical and Descriptive. | Keith Johnston. |
| 253. | Elements of Geology. | Le Conte. |
| 254. | Talks on Pedagogics. | Parker. |
| 255. | Grasses and Forage Plants. | Flint. |
| 256. | How to Study Geography. | Parker. |
| 257. | In the Child's World. | Poulsson. |
| 258. | Elementary Physical Geography. | R. S. Tarr. |
| 259. | The New Psychology. | E. W. Scripture. |
| 260. | Psychology. | William James. |
| 261. | Handbook of Psychology, "Feeling and Will." | Jas. M. Baldwin. |

262. Handbook of Psychology, "Senses and Intellect." Jas. M. Baldwin.
263. Cuoré, an Italian Schoolboy's Journal. De Amicis.
264. Physical Culture. Louise Preece.
265. Art for the Eye. Ross Turner.
266. Architectural Styles. Rosengarten.
267. How to Enjoy Pictures. M. S. Emery.
268. The World's Painters. Deristhe L. Hoyt.
269. Elementary History of Art. N. D'Anvers.
270. Art and the Formation of Taste. Lucy Crane.
271. How to Judge of a Picture. Van Dyke.
272. The Claims of Decorative Art. Walter Crane.
273. History of Art. Goodyear.
274. A History of Painting. Van Dyke.
275. A History of Sculpture. Marquand and Frothingham.
276. How to Teach Reading in the Public Schools. S. H. Clark.
277. Interior Decoration of Schoolhouses. W. G. Page.
278. The Educational Idea. Munroe.
279. The Connection Between Thought and Memory. Lukens.
280. Psychologic Foundations of Education. Harris.
281. Physical Nature of the Child. Rowe.
282. Method in History. Mace.
283. Method in History. Mace.
284. The School and Society. John Dewey.
285. The Art of Teaching. D. Salmon.
286. Exercises in Geography. C. H. Leete.
287. Readings in Folk-Lore. Hubert M. Skinner.
288. American Public Schools. Swett.
289. History of Education. Seeley.
290. Raphael. Estelle M. Hurl.
291. Michaelangelo. " "
292. Rembrandt. " "
293. Millet. " "
294. Bent Iron Work. Erskine.
295. Egypt: The Hand of the Temple Builders. Walter S. Perry.
296. Composition. Arthur W. Dow.
297. The Development of the Child. Oppenheim.
298. The Jungle Book. Kipling.

299.	The Second Jungle Book.	Kipling.
300.	The Jungle Book.	"
301.	The Second Jungle Book.	"
302.	Tennyson's Poems.	
303.	Stories and Poems for Children.	Thaxter.
304.	German Household Tales.	Grimm.
305.	Adventures of a Brownie.	Miss Mulock.
306.	Adventures of a Brownie.	Miss Mulock.
307.	Friends and Helpers.	Sarah J. Eddy.
308.	The New Basis of Geography.	Redway.
309.	Plans for Busy Work.	Sarah Louise Arnold.
310.	Thinking and Learning to Think.	Schaeffer.
311.	Thinking and Learning to Think.	Schaeffer.
312.	The Art of Teaching.	Emerson E. White.
313.	The Art of Teaching.	Emerson E. White.
314.	Architectural Wrought Iron.	Wm. Winthrop Kent.
315.	Architectural Wrought Iron.	Wm. Winthrop Kent.
316.	An Ideal School.	Search.
317.	Old Stories of the East.	Baldwin.
318.	Old Stories of the East.	Baldwin.
319.	Elements of the Theory and Practice of Cookery.	Williams and Fisher.
320.	Introduction to Psychology.	Calkins.
321.	Educational Aims and Educational Values.	Hanus.
322.	Art History in Outline.	Nye.
323.	School Management.	Landon.
324.	Notes of Lessons for Young Teachers.	John Taylor.
325.	Teaching as a Business.	Bardeen.
326.	Exercises in Mind Training.	Catherine Aiken.
327.	Right Living.	Susan H. Wixon.
328.	First Lessons in Reading.	Elizabeth H. Fundenberg.
329.	Helps in Teaching Reading.	Martha S. Hussey.
330.	Nature's Garden.	Neltje Blanchan.
331.	Mother Stories.	Maud Lindsay.
332.	Normal Methods of Teaching.	Brooks.
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ANNUAL REPORT
OF THE
SUPERINTENDENT
OF SCHOOLS
FOR THE YEAR
1903.

Report of the Superintendent.

To the School Committee :

LADIES AND GENTLEMEN : — I submit for your consideration my Sixteenth Annual Report. It is the forty-third in the series of annual reports of the Superintendent of Schools of this city.

By vote of your Board, this report, together with that of the Secretary, is to constitute the Annual Report of the School Committee.

May I be permitted at the outset to express to you my deep appreciation of the confidence you have bestowed upon me by intrusting me for sixteen years with the administration of the schools under your charge. It is a great responsibility, the burden of which I feel more and more each year as the number of teachers and pupils increases, and the scope of education broadens and becomes more diversified.

It may be well at this time to review in brief the history of the schools for this period, and note what progress, if any, has been made in it.

The records show that at the close of the year 1888, there were enrolled in the day schools 5477 pupils, and in the evening schools 1420. The past year, ending July 1st, 1903, there were enrolled in the day schools 9684 pupils, and in the evening schools 3269. In 1888 there were

employed 127 teachers in the day schools, and 39 in the evening. Now there are employed 254 in the day schools, and 88 in the evening schools.

In 1888 most of the teachers in the schools had had no professional training but that of experience. The ranks of the corps in the elementary schools were recruited from graduates of our high school or some other, and had no experience, or but little, and rarely was one a graduate of a normal or training school. Many entering the high school corps itself were advanced from the lower schools, where they had achieved success according to the standard prevailing at that time, and in most cases were not graduates of a college or any higher institution of learning.

But that method of recruiting the corps was long ago changed by the rules of your Board, and now none but graduates of a college, with successful experience or professional training, or both, can be appointed as teachers in the high school or as principals of the grammar schools. Nor can one become a teacher in an elementary school who has not had the professional training of a normal school, or, who by her education and particular aptitude for teaching, has proven her ability to govern and teach.

At my earnest solicitation your Board in 1889 authorized the organization of a city normal and training school, that we might prepare the young ladies of the city, and others who might apply, for teachers in the elementary grades. The state normal schools were not supplying enough candidates, and college graduates did not think of doing grade work until recently.

The course in the school was at first one and a half years, but several years ago was lengthened to two years. Admission to it has always been by examination in the various studies that are required taught in the elementary grades.

The school has graduated 151 teachers, all of whom have entered the service of the city after graduation, except the last class, and the members of that will do so as soon as there are vacancies. There are now in the employ of the city 94 of the graduates of this school.

A large majority of the teachers in the schools are now college or normal school graduates. This alone shows great progress; for without teachers who are well educated and trained, no system of schools may hope to be successful, whatever may be expended in other directions.

To encourage good talent to enter upon the work of teaching in the city and to retain it, salaries have been raised from time to time during the past sixteen years, until they compare favorably with those in other progressive cities throughout the country.

Sixteen years ago an elementary teacher received upon beginning her work, if she had no experience or professional training, \$360 a year, and was expected to begin in the primary grades. After five years of service she reached the maximum of \$475, the regular salary for a primary teacher. A grammar teacher began at \$400 a year, and in five years reached the maximum for all grammar grades of \$550. Now the maximum salary for the first seven years in the grades is \$625, for the eighth grade \$675, and the ninth \$750. The maximum for women teachers in the high school is now \$1000, formerly \$800; and the men teachers, though not on a schedule, have received proportional increases.

A great deal has been done, and at a large cost, to improve the hygienic conditions surrounding teachers and children. With the exception of two small suburban ones, all the old types of schoolhouses, heated by stoves, without cellars and poorly lighted and ventilated, have either been replaced by new buildings, or have been enlarged and altered, and greatly improved.

Notwithstanding the rapid growth in the school population during these years, the pupils of the city were never so well housed, nor ever enjoyed so good sanitary conditions as they do today. The successive City Governments have responded in a generous and enlightened manner to the recommendations of the School Committee.

The health of pupils and teachers should be the first consideration; but in the construction of new school-houses and in remodeling old ones other matters have received attention which have an important bearing on the moral and spiritual welfare of the children. Constant thought has been given to make buildings and grounds more attractive for those who spend so many of their impressionable years in them. The unconscious influence of buildings of pleasing architecture, whose rooms are cheered by numerous plants, and whose bare walls are relieved by softened colors and adorned with well selected pictures and statuary, are factors that will elevate the tastes and refine the natures of those who are to become our future citizens. The creation of a committee on art in the School Committee was a most important move along lines too long neglected in the schools.

The curriculum has been enriched throughout all the grades, and the methods of teaching rationalized. Kindergartens have been added to the organization, and manual training and cookery made an important part of the work in the upper grammar grades. French has been made an optional study in the two upper grades of the grammar schools, and Latin in the last year. Nature study, unknown to the course a few years ago, now forms a valuable part of the instruction in every elementary grade. Drawing, which sixteen years ago could not be said to have either plan or purpose in the schools, and was chiefly confined to the upper grades,

is now the means of ready expression of all pupils from the first grade upward. The work in music has been thoroughly co-ordinated, and the sewing department revised and brought into touch with modern ideas. A three years commercial course was put into the high school in 1896.

Courses of study for kindergartens, primary and grammar schools, high school, normal school, and all the special branches have been prepared after a careful study of the best educational thought of the day on method and scope desired in each subject required taught. The Rules and Regulations of the Board have been thoroughly revised, and printed with them a digest of the school laws of Massachusetts prepared by Hon. F. A. Milliken, Vice-Chairman of the Board. All of these are comprehensive and suggestive, and not only tend to unify the work from the lowest to the highest grade, but make clear the path of the teachers, and strengthen in many ways the administration of the school system.

And better perhaps than all else, notwithstanding the rapid growth of the city during this period, very largely of strangers from many nationalities, whose children enter the schools, many of them overgrown and without early school training, the relations of teachers and pupils have constantly become better. Government is milder; corporal punishment is rare in the higher grades, where it was once freely administered; and in the lower grades it has been greatly reduced. The school-rooms are pleasant places to visit. They are made bright and attractive by plants and pictures, and in many other material ways, but above all by the general spirit of mutual love and respect that animates the teachers and the taught.

ENROLLMENT AND ATTENDANCE OF
PUPILS.

A comparison of the tables of attendance for the year 1901-2 and the year 1902-3 (the latter being the one contained in this report) shows so great an increase in absences the latter year that it is a matter for serious reflection. While the enrollment was larger by 237 pupils, the usual gain, the average membership was but 89 more and the average daily attendance was 53 less than the year before. There were 25,300 more days of absence, a loss of 2.5 per cent.

It is difficult to trace the cause of this marked increase in the absences. Of this I am sure, however, that the principals and grade teachers, as a rule, have not been remiss in their efforts to secure good attendance. It is possible to institute a system of records to be kept by each teacher which shall show at the end of the year under such headings as *sickness, exposure to contagious diseases, delay in vaccination, truancy, excuses of parents, lack of proper clothing, etc.*, the reasons for the absences. But this would entail a great amount of extra book-keeping upon the teachers, and I have refrained from ordering it on that account. I do not believe in using up the time and energy of teachers more than is necessary in making reports, desiring rather that they should bestow these upon matters of greater importance.

In placing the causes for this great increase in absences, however, it is safe to assume that sickness

is the chief one. Whooping cough, mumps, and measles are all prolific sources of absence each year, becoming epidemic at times in various parts of the city, and depleting rooms of the lower primary grades for weeks at a time. The more dangerous contagious diseases, such as diphtheria and scarlet fever, with every precaution that is taken, find their many victims. In addition to those who are actually sick with contagious diseases, all children living in a household with the sick ones are excluded until danger is past. This is another cause of many absences. It may be that the stricter medical inspection that has prevailed during the last year or more may be another reason for increased absence by reason of more rigid exclusion than formerly. If this is the case, absences for this cause should be reckoned as a blessing than otherwise, for first of all the health of the children is of supreme importance.

But, as the population becomes more heterogeneous, other causes for absence arise that formerly made little or no showing. There is now a large contingent of Jewish children in the schools. Jewish holidays and festivals usually occur while the schools are in session, and most of the Jewish children are out for days at a time during these seasons. The religious observances of other denominations also conspire to produce absences and tardinesses.

In addition to all that has been said, it can not be denied that many children are permitted to remain away from school for a day or half day at a time for reasons that are not sound. Parents permit children to attend entertainments of various kinds during school hours; they allow them to visit or to absent themselves for a session now and then for no particular reason, not realizing that a child cannot be absent for even a half day without some material loss. The sum total of these unnecessary absences is large.

Again, many children are not entered promptly at the beginning of the year, and especially in the lower primary grades. This is the case with children whose parents are ignorant or new to this country, more than with others, though it is not entirely confined to these classes. There is always each fall quite a large contingent who are absent for the first few weeks on account of cranberry picking, while others are out because their parents linger in their summer homes. While the names of all such children appear in the enrollment list, increasing that, their absences reduce the average attendance.

These are the chief causes each year of absences. Though every exertion is made to counteract unnecessary absences by the passage of more stringent attendance laws by the State, by the employment of attendance officers by the Committee, and by constant injunctions to the teachers, no perceptible gain is made in attendance except in the length of period during which the child shall be connected with the schools.

The change in the regulations of the Board by which the primary schools begin at 8.45 a. m. and close at 11.45 has reduced the dismissals fifty per cent, but has tended to increase the tardiness in a degree, though in a small proportion comparatively.

I believe that it would have a material effect for good if the Board at each regular monthly meeting would have read the statistics of attendance for the month, would discuss them and compare those of the different schools. It would stimulate teachers, pupils and parents to reform, where reformation is needed and possible.

TRUANCY.

Under the head of truancy is included only those absences of pupils that are without permission of parents and teachers, and they call for special notice. The number of cases reported by the teachers was 270, as compared with 292 the year before, something of a gain in showing. These cases do not represent different individuals, as many are chargeable to a few individuals. The chief cause of truancy is always the same, namely, the lack of proper home care and influences. But this is not the only cause. Rooms where the teachers are weak and their instruction uninteresting, or who are unjust in their treatment of pupils, have as a rule the most cases of truancy. I have in mind one room in particular in a large building where there are almost if not quite as many cases of truancy and unjustifiable absence as in all the other rooms of the building combined. There is but one remedy for this after repeated warnings are given and improvement is not forthcoming.

The usual reports of the truant officers are subjoined.

REPORT OF HENRY SMITH, TRUANT OFFICER.

Schools visited,	1,858
Absences reported by teachers,	759
Absences without permission,	49
Second offences,	19
Third offences,	15
Parents or guardians notified,	786
Taken to school from street,	9
Arrests,	8
Prosecutions,	8
Sent to truant school,	6
Transfer cards received,	473
Evening school absences investigated,	143
Visits to mills,	56
Violation of labor laws,	2

REPORT OF WILLIAM A. BAKER, TRUANT OFFICER.

Schools visited,	1,895
Absences reported by teachers,	1,003
Absences without permission,	81
Second offences,	13
Third offences,	10
Parents or guardians notified,	728
Taken to school from street,	32
Arrests,	4
Prosecutions,	4
Sent to truant school,	4
Transfer cards received,	380
Evening school absences reported,	224
Evening school absences investigated,	224
Visits to mills,	43
Violation of labor laws,	1

LABOR CERTIFICATES.

When the law quoted in my report last year was passed, which required every minor when the evening schools were in session to have a certificate issued by the Superintendent of Schools before he could be legally employed whether he was an illiterate or not, I thought the law unnecessary, and believed it would entail work and trouble without producing results of any particular benefit. But I have changed my mind. The law has proven a good one in securing what it intended to secure—the attendance of those illiterates upon the evening schools who were inclined to shirk their obligations. Though the extra amount of clerical labor was greatly increased at first, that all minors not illiterates might be supplied with the required certificates, the matter has been easily cared for since in the regular routine of the office. It causes some extra certificate work, it is true, but it has not increased it as much as I anticipated.

As I have often stated in my reports, the issuing of the regular labor certificates takes much time, patience and labor. In fact, about half the time of one clerk is devoted to that alone, and the Superintendent is called upon for advice and decision in many cases.

A large number seeking these certificates are foreign born, do not speak English, are not acquainted with the laws or customs of this country, and in many cases have no conception of the sanctity of the oath that they are required to take to secure the certificate. They know in some way that a child must be fourteen years old in order to work, and many of them are ready to swear that a twelve or thirteen year old is fourteen, if by so doing they can secure the coveted certificate.

After several cases of deception and false swearing were discovered, I decided to require certificates of birth from the clerk of the town or city in which the child was

born, or from the Parish priest of that city or town. But even that required precaution has not prevented attempts at deception, which have been successful in some cases. Forged birth certificates written on official paper have been presented, and older brothers and sisters who were already at work brought to represent those younger, and after the labor certificates were obtained they were given to those under age and they were sent into the mills. But the State Inspectors have been vigilant recently in unearthing these frauds, and have been active in their co-operation with the school authorities whenever cases needing their attention have been called to their notice. Cases have been prosecuted where evidence sufficient to secure conviction was obtainable, and these fraudulent practices are in a fair way to be stopped.

The number of regular certificates issued from the office during the year to children between 14 and 16 years of age was 1043; the number of duplicates issued was 43. (These duplicates are given to those persons whom we believe to have lost their originals, or whose original had worn out.) The number of certificates issued during the year to minors between 16 and 21 years of age, in compliance with the statute mentioned in the first of this article, was 313. Certificates of all kinds issued, 1399. Many were refused. It takes as much time usually to convince applicants that they are not entitled to certificates as it would take to issue them. This part of the office work requires each year more time as the mills increase and the city grows.

SCHOOLHOUSES.

One of the most important of the problems that the School Committee and the City Council of a rapidly growing city are called upon to determine is the building

and equipping of schoolhouses fast enough to meet the demands made upon them. The building of a schoolhouse is not the simple proposition that it was a generation ago. To meet the requirements of the public in matters of sanitation, and provide for the complex educational curriculum of the day, larger schoolhouses are required in proportion to the same number of pupils, and heavier expenditures for heating, ventilating, lighting and equipping. The care and maintenance of a modern schoolhouse costs very much more per pupil than one of the old type. It is right that every provision should be made to conserve the health of pupils and teachers, but the cost of doing this is large, and often to the taxpayer the burden seems heavy.

This city has been called upon during the past twenty years not only to provide schoolhouse accommodations for a rapidly growing population, but also to replace by suitable buildings a number that were unfit for pupils and teachers to work in, and to remodel others that were deficient in many sanitary conditions. Today the great majority of the pupils are properly housed; but there exist still some schoolhouses that need improvement, and there are several hundred pupils in hired quarters. Unless more schoolhouses are erected at once, it will be well-nigh impossible for the School Committee to properly care for many hundred pupils.

The most important matter in connection with schoolhouse construction that confronts us today, and upon which we have been at work for several years, is a new high school building. The plan upon which so much time and labor had been expended, and which was described in full in last year's report, has been abandoned, because the money required to build it was not forthcoming. The Legislature granted \$550,000 to build and equip a building, and pay for the lot, while the lowest bid for constructing the original plan was \$676,000, which

of course did not include any extras or the cost of equipment. That plan, therefore, was abandoned, and the architect was instructed to prepare a new plan, the carrying out of which would come within the funds available. He has done so, and, while the lowest bid on the new plan was \$509,000, it is expected that it can be so modified that it can be built within the amount available.

The first plan called for a schoolhouse, which in departmental comprehensiveness has no equal in this country. Every related department was also so grouped as to make the administrative features unexcelled for effectiveness. It is a source of regret to all of the Committee who had bestowed so much thought upon it that it could not be built.

The modified plan calls for a building 256 ft. long and 143 ft. wide, as compared with a building 321 ft. long by 172 ft. wide. In the modified plan the manual training department is not located in the main building, but is placed twenty-five feet in the rear, and connected by covered passage-ways from each floor. It is of mill construction. The original assembly hall was located on the front floor and would seat 1,500 people. The modified one is smaller, as is the gymnasium. Many minor changes have been made. The modified building will provide for 800 pupils instead of 1,000.

It is to be hoped that the erection of this building will be pressed. Not only is it needed for itself, but to release the present high school building that the Middle Street Grammar school may be moved there, and the present Middle street building renovated for a primary school. There is already pressure in the districts marked by the Harrington, Middle Street, Sylvia Ann Howland and Mary B. White schools that will soon give much trouble, unless more children are withdrawn to attend Parochial schools, a possible contingency.

The growth of school population is largest each year in Wards One and Six. The School Census of 1903 shows an increase over the previous year of 545 children between the ages of 5 and 15 years. The enrollment in the schools has also increased largely in those wards during the year. The schoolhouses are overflowing, and now there are four classes in hired rooms in the section of the city south of Madison street, and three in portable schoolhouses. In the section north-east of Weld street and the railroad, all the schoolhouses are full and one class is in a hired room.

I reported to your Committee some time ago that more school room would be needed in the sections shown above at an early date. By your instructions the communication was transmitted to the Mayor and City Council. I know that the City Government has the subject under consideration, and without doubt such action will be taken as is needed to provide the necessary schoolhouses.

The existing schoolhouses, as a whole, are in good condition. But they require constant care and considerable expenditure each year to keep them so. The rules of the Board require the janitors to keep them clean, and these rules are enforced. One will not find schoolhouses anywhere of which the general sanitary conditions are better. Even in the five buildings that do not have modern systems of ventilation, the vigilance and care of the teachers and janitors make the conditions far from objectionable.

Though the supply of thirty cubic feet of air per pupil a minute in severely cold weather requires much coal and care through this severe winter, the instances have been rare when it has been found necessary to close a school. The expense of heating a building ventilated by modern devices is much larger than heating an old style building. Where motors and fans are used the expense is greatly increased over one ventilated by the gravity system.

The manner in which the City Property Committee of the last few years have finished the grounds about the schoolhouses recently erected has been greatly appreciated by the School Committee, and I am sure that I voice the feeling of the Board by making this public acknowledgment. The playgrounds have been well curbed and graded, and covered with stone screenings; lawns have been laid in front of each building, some trees set out, and at the J. H. Clifford school shrubbery and flower beds lend attractiveness to the grounds. Granolithic walks have been laid on the sides bordering streets and to the entrances of the schoolbuildings.

Too often in the past the grounds have been left in an unfinished condition, and they have continued so for years, the School Committee, try as it might, being unable to secure appropriations to put them into proper order. There are two schools whose grounds are notable examples of this: — the Clark Street school and the Wm. H. Taylor school. I believe that now the proper grading of the grounds is included in the contract for construction. This is as it should be. The City Government by whose appropriation, and under whose direction a schoolhouse is built, should contract for the completion of the work, and it is not completed until the grounds are fit for use. No City Government desires legacies of uncompleted contracts from its predecessors, and when they are received is loath to furnish money to complete them.

The Parker Street schoolyard remains ungraded since the alteration of that building, but I understand it is the intention of the Council to grade the grounds this year. The old iron fence has been removed from the front of the yard, the curbing reset, and granolithic walks laid in front of the schoolyard and to the entrances of the building. It is possible to make this schoolyard one of the most attractive, if not the most attractive in the city at a moderate cost, and I hope it may be done. The School

Committee has renewed its request this year that the grounds of the Clark Street and Wm. H. Taylor schools be curbed and graded, whether with any better results than in the past remains to be seen.

TEACHERS.

A modern system of school demands modern teachers. This simple statement implies much that is of vital import to the schools. It implies a revolution in popular sentiment in regard to the requirements for teachers, and the relations that should exist between them and their pupils.

What is expected of modern teachers? It is expected that they shall have a good, general education, and an expert knowledge of the particular branches they are to teach, and the higher the grade of school the broader at least the education must be. They are expected to be able to think clearly, and to express their thoughts in refined and accurate language; they must understand the processes of mental growth and development, that their teaching shall be within their pupil's comprehension; they must be proficient in methods of presentation, that valuable time may not be wasted and their teaching ineffective; they must be schooled in self-control, that they may govern wisely and well; they must be acquainted with, and pay due respect to the amenities of life in their intercourse with parents and pupils especially; and they must possess sterling character, abhorring that which is base, low, or mean.

These requirements mean for them years of preparation in acquiring suitable intellectual education, to which must be added professional training. When all this is done many find the demands of the modern school not easily met, and obtain but bare success, or fail entirely by

inability to adapt themselves to the conditions of circumstance and place; or they do not succeed by reason of self-satisfaction and want of diligence and professional study, without which there is no growth.

Those teachers who bring to their vocation thorough preparation both mental and physical,—and to the latter not enough attention is given,—and who possess those personal qualities which are so necessary to success in dealing with their fellow beings in any sphere of life, will find teaching not the hardship that it is too often pictured, but a pleasurable as well as a noble profession. It is from the poorly prepared and the time servers, or from those whose personalities are so potentially weak that they fail to attract and stimulate their pupils, that complaints come of the prosaic and burdensome character of the teacher's vocation.

It is surely a profession, which, considering its importance and dignity, has been underpaid, and very much so. But the prospect is brighter for the future. The world has come to recognize as never before the value of education to the people of a nation in making it strong and great. The future of a country is not now considered safe where there is a large proportion of illiteracy. With this higher appreciation of the value of education has arisen the demand for better preparation by teachers and larger appropriations for maintenance of schools. More men and women are making teaching a vocation for life, and less a stepping stone to something else. Teaching is surely, if slowly, rising to the dignity of a liberal profession, and those who follow it will receive recompense and social recognition commensurate with their ability and worth, as those in the other liberal professions do.

The majority of the teachers now in service in our city have had a good, intellectual and professional preparation for their work. In the high school the majority are now college graduates, and those who are not are

teachers of long experience; who have by years of study made themselves proficient in the branches they teach. In the grammar and primary grades normal graduates predominate with a few college graduates in the higher positions. As vacancies occur, only those who are considered well equipped for the profession are accepted.

With the increase which has been made in the salaries of the various grades it is now possible to make the standard of selection still higher, and this should be done. Personal appeals are constantly being made to the superintendent to nominate teachers for election or promotion, whose intellectual and professional attainments are not such as he believes will keep the schools up to a high standard, or which the salaries now paid enable him to secure. This solicitation has never been more frequent, or exerted with greater pressure than within the past few years. Worth alone should determine the selection of a new teacher, or the promotion of one in service.

Of all teachers the principals should represent the best scholarship, the best teaching power, and the highest administrative qualities. I am a firm believer in promotion to principalships from the ranks of our own corps when worth is the standard; but it should be the pronounced policy of the Board, that only those may hope for promotion who not only have been diligent and successful wherever they have been placed, but who can show that by continued general and professional study they have prepared themselves for higher responsibilities. I have had difficulty in finding suitable candidates among the teaching corps for vacancies that have occurred in the minor principalships, and have on occasion reluctantly nominated from those in service when I have felt that it would be well to seek farther. The results have justified in most instances that conviction; for the conviction was based on knowledge and not assumption.

It is gratifying that more teachers each year are seeking opportunities for professional improvement by study. The Board has always willingly granted leave of absence for this purpose. Five teachers were absent for whole or part of the past year for this purpose. There were sixteen resignations for various reasons, and twenty-three appointments. Five teachers were granted leave of absence for whole or part of the year for rest or recuperation.

There were many temporary absences for short periods varying from a half day to some weeks. These absences were usually for illness, and the sum total is considerable. With so large a body of teachers many changes and absences are to be expected and provided for each year. One permanent substitute is employed, and unassigned graduates of the Harrington normal and training school are used as long as there are any available. When they are all assigned for duty, members of the senior class in the training school are employed.

RESIGNATIONS.

Mary E. Allen,	Anna L. Jennings,
Margaret E. Balcom,	Mary A. Livesey,
Lucia E. Bliss,	Flora A. Pearl,
Ella W. Cake,	Mary J. Read,
S. Agnes Donham,	Hannah E. Rollins,
Julia A. Ellis,	Elizabeth P. Spooner,
Harriet N. Hyatt,	Nellie A. Walker,
Katherine E. Kenyon,	Ruth A. Wilde.

APPOINTMENTS.

Emma S. Y. Alley,	Mary E. Kane,
Lulu M. Bennett,	Annie R. Keith,
Emma G. Casey,	Laura M. King,
Mabel W. Chandler,	Alice G. Lloyd,
Alice T. Corrigan,	Florence E. Moore,
Mary A. Days,	Lillian E. Page,
Helen A. Gammons,	Annie B. Gidley,
Anna C. Rogers,	Bessie M. Harwood,
Ethel M. Rogers,	Lucy W. Howland,
Frances A. Sequeira,	Carrie J. Hunt,
Carolyn B. Sylvia,	Elsie M. Isherwood.
Harriet M. True,	

ABSENT ON LEAVE FOR STUDY.

Charles R. Allen,	Mabel W. Cleveland,
Ada S. Blake,	Emma K. Shaw.
Mary C. Barstow,	

ABSENT ON LEAVE FOR ILLNESS.

Harriet L. Cornell,	Mary L. Pettey,
Harriet S. Phillips,	Elizabeth P. Briggs.
Anna I. Dexter,	

THE YEAR'S WORK.

A few important changes were instituted in the curriculum during the year, but otherwise the work was along the lines laid down in the course of study adopted in 1901 in the elementary grades, and fore-shawdowed in the high school courses which have in the main been authorized, and will soon be in print. With the adoption of the high school courses, the curriculum which has been under revision will be more unified and complete in every department than ever before. With some few changes that may suggest themselves from time to time, I see no good reason why this well defined course of instruction should not be followed for years to come.

The important changes referred to were the lengthening of the commercial course in the high school, the adoption of the regulation that requires pupils who wish to study Latin to begin it in the ninth year of the grammar grades, and the offering of French as an option in the eighth grades with a special teacher. Of these three things I have doubts as to the practical working of one, and that, not having a beginner's class in Latin in the high school, unless the ninth year in the grammar schools is made virtually a first high school year. If this should not be done, pupils coming to the city from other cities or town where Latin is not offered in the grammar schools are debarred from taking courses comprising Latin in the high school. If, on the other hand, beginner's Latin is offered in the high school as well as in the grammar schools, classes in this study are multiplied in the high school, requiring more teaching force there and more room than is available. The tendency through-

out the schools of the country, is to confine the instruction in those studies which have hitherto been considered adapted to the elementary grades to eight years instead of nine. In certain cities the ninth grades have been consolidated with the high school, making it five years in length. I am sure that this plan would not be a good one for our city, but do believe that it would be well to offer in our ninth grades to those who intend to go to the high school some of the other high school branches such as Algebra and English history, and advanced English literature. These should be open to those also who did not intend to go to the high school if they wished to take them.

There still remains too great a gap between the grammar school and the high school which needs to be bridged in some way. The pressure also in the high school is still too great. It is unavoidable, however, so long as requirements of the high schools remain as they are. Many pupils now leave who would complete their high school course, I believe, were the conditions what they should be. This is not true of our high school in particular, but of most high schools with which I am acquainted.

During the past year the high school has been somewhat smaller for reasons that are clearly explained in the report of the principal, which is given in another place, and which I think in the main to be the principal causes. I am a firm believer in high schools as one of the greatest factors for good in any community, and would that ours were much more popular than it has ever been. It should not be popularized at the expense of scholarship or insistence upon worthy action in every way, nor is it necessary.

Would that I might express my feelings on this point so as to be understood. High schools are still controlled too much in an autocratic spirit. Pupils about to enter the high school have passed the compulsory school age. They have reached a critical period in their lives physi-

cally and morally. They need more than ever before in their school lives to come under the influence not only of scholarly teachers, but of strong, wholesome, sympathetic, forbearing teachers,—teachers who will attract and inspire them. Moreover, there should be a better acquaintance between the teachers and their pupils. The bane of the departmental plan of teaching is the fact that teachers do not learn to know their pupils. The teachers in the elementary schools have this great advantage, that they know their pupils better than those of the high schools.

I would go further: Teachers, superintendents and school authorities in general have been too dogmatic in their administration of high schools in particular. I am ready and willing to cry, *peccavi! peccavi!* While I have not come to believe in free elective courses in high schools, there should be a number of well defined courses from which the pupils may select. Even then there are many more than we know, who need to be tided over this very critical period in their lives. It may be their physical condition that needs consideration; this is especially true of the girls. It may be dormant qualities for attainment not yet stirred to life; this is especially true of boys. It may be their circumstances at home.

The physically weak should be *encouraged* to take partial courses if it is best for them, and not *permitted* after a good deal of trouble on their part and so much red tape that they leave school rather than go through with it. The backward should be studied, and, if possible, their ambition awakened, and the talent within them brought to light. There should be meetings of parents and teachers held a number of times each year that one might learn the spirit and aims of the school, and the other something of the self-denial that many are making to give their children the benefit of an education; that both might work together with a far better understanding

of the nature, dispositions and physical condition of these for whom both are laboring, and too often at cross purposes. I can hear it said by some, this is all chimerical and impractical. Be it so. It is worth thinking about.

The high school has done good work throughout the year. I do not believe its scholarship was ever higher or the instruction better. But there are some things that might be done on the lines suggested, and on others not touched upon, which I believe would add to its popularity as well as usefulness, and which I hope will receive the consideration of all interested in its welfare.

In the elementary schools the year's work has been satisfactory, both in the character of the teaching and the spirit that has characterized the relations of pupils and teachers. The effects of the new course of study are shown in improved unification of the work. There is better correlation in the studies. The penmanship has improved since the reversion to one system. A change is very much needed in arithmetics. Those in use are antiquated in methods of treatment, and deficient in examples for practice.

If parents and the public generally could realize what these schools are doing for the children of the city, and the teachers, and the other school authorities, and the pupils themselves could have the benefit of their manifested interest and helpful suggestions which would come through a better knowledge, it would be of great benefit to all. There is one well known mother's club in the city, whose work for, and whose interest in the schools of one district has been most useful, and should find its counterparts in many others.

In the ungraded schools, which comprise two classes, the country, or suburban schools, and the city proper ungraded for overgrown children who do not speak English, there has been some improvement by a change of one teacher and the opening of another ungraded room in the north part of the city. But these schools will never offer to their pupils the best advantages possible, until the suburban schools are consolidated and those in the city proper are located in schoolhouses where they can be carefully supervised by competent principals, and taught by thoroughly prepared teachers who are capable of doing both class and ungraded work, and are imbued with enough of the missionary spirit to continue in these positions. There are two classes of pupils in these city ungraded schools: one, those whose time is so limited for school attendance that they ought not to undertake the regular course of study; the other, those who are deficient in their knowledge of English especially, but have had school advantages in the non-English speaking countries from which they come, and would continue their schooling much longer than they do, could they receive special attention in English and bridge over their difficulties in it. As it is, many leave as soon as they reach the age limit for school attendance for want of this special instruction.

The organization of the evening schools has been the same as for the past few years, divided into high, elementary, and drawing. The high school has not been attended as well as it should have been. The commercial department has received the best patronage. The elementary and drawing schools have had a larger enrollment than usual. There has been good work done in all these schools, but I think improvement can be made in them, and I hope to be able to outline to the Board in what way this may be brought about before they reopen for another year.

Evening classes in sloyd and cookery would, in my opinion, be an extension of the evening work that would be both popular and most useful.

In the special departments, so called, music, drawing, sewing, sloyd and cooking, the work has gone smoothly and the results satisfactory, though the increasing number of pupils make it impossible to provide for them under existing conditions without some readjustment and probable increase in instructors in certain departments. Some of these matters are touched upon in the reports made to me by the supervisors and special teachers which are appended to this report, and which I shall lay before the special committees in charge for early future consideration. Miss Agnes Donham, who had conducted the cooking school with marked success for a number of years, resigned at the close of the summer term to accept another position. Her successor, Miss Mabel W. Chandler, a graduate of the Framingham Normal school, the domestic science department, and a teacher of much experience, was chosen as Miss Donham's successor. Under her administration there has been not only a continuation of the standard that the school has maintained since its opening, but a pressage of future advancement. I but do justice when I say that in each and every one of these departments the supervisors and the special teachers in sloyd and cookery are not only thoroughly qualified, but are enthusiastic and painstaking in their work, and spare neither time nor effort to secure the best results. Their helpful co-operation I can always rely upon.

THE LOUISIANA PURCHASE EXPOSITION EXHIBIT.

At St. Louis, the coming year, is to be held probably the best exposition that this country has ever attempted. Never before has so much attention been given to, or such provision been made for an educational exhibit. It will be an exhibit that will show the great educational work that is being done in this country, and which foreign nations are just beginning to appreciate. It will be an exhibit worthy a democratic republic where education is the foundation of national achievement and national honor. This city being invited by the State Director to make an exhibit, I felt that it not only was our duty, but should be our wish to do so. My request that this be done was granted by the Board, and the money appropriated for the purpose.

The plan as laid out by the State Director, was that cities and towns should confine themselves to certain lines of work rather than attempt a complete exhibit in all lines of work. To New Bedford was assigned:

1. A complete high school exhibit.
2. An exhibit in drawing.
3. An exhibit in sewing.
4. An exhibit in language (elementary grades).
5. An exhibit in literature (elementary grades).
6. An exhibit of administrative work and cuts and plans of typical schoolhouses.

This assignment was accepted and the work prepared. It entailed much extra work upon superintendent, supervisors, principals and teachers. The time was somewhat limited, but the work was accomplished and the following was prepared as the New Bedford Exhibit:

1. Mounts illustrating high school course of study — 32.
2. Mounts illustrating administrative features of high school.
3. Volumes of high school work — 47.
4. Mounts illustrating course of study in language in elementary grades — 32.
5. Mounts illustrating course of study in literature in elementary grades — 32.
6. Volumes of language and literature in elementary grades — 48.
7. Mounts illustrating course of study in drawing — 32.
8. Volumes of drawing work — 17.
9. Portfolios of drawing work — 3.
10. Box containing construction work in paper.
11. Mounts illustrating course of study in sewing — 32.
12. Portfolios of sewing work — 3.
13. Boxes made to fit cabinets containing sewing work — 3.
14. Mounts illustrating organization of the schools for cabinets — 4.
15. Mount drawing for first drawing cabinet — 1.
16. Photograph sewing class for front sewing cabinet — 1.
17. Framed pictures of various sizes showing :
 - (a) Administration building with floor plan.
 - (b) Present high school building with floor plans.
 - (c) Proposed high school building with floor plans.
 - (d) R. C. Ingraham schoolhouse with photograph of rooms, —grammar type.
 - (e) Wm. H. Taylor schoolhouse with plans and photograph, —primary type.
 - (f) Acushnet schoolhouse, — type country school.
 - (g) H. F. Harrington Normal schoolhouse.
 - (h) Sylvia Ann Howland, containing sloyd and cooking schools.
 - (i) Linden Street schoolhouse, — old type.
18. Courses of study of all departments of the schools, rules and regulations of the Board, administrative blanks, and samples of books used in teaching language and literature.
19. Volumes of work shown at Philadelphia Exposition, 1876,— 14.

It may seem to many that the time, labor and expense necessitated in the preparation of such an exhibit are not justified. Were it the St. Louis representation alone there might be a question. But the representation there is but a small part of the good that accrues from the

preparation of such an exhibit. The exhibit at St. Louis is a public good, a stimulous and a guide to future educational endeavor. It is the duty of New Bedford as a representative city of the great Commonwealth of Massachusetts, ever in the forefront of educational thought and deed, to contribute its part. That is the first reason why it should be made. Second, this work returns to the city and forms a permanent record of work from which to base advance or retrogression. In the School Committee rooms are samples of the work shown in Philadelphia in 1876, and in Paris in 1900. The work prepared for St. Louis shows progress in certain lines that must be convincing to the biased critic; but to the teachers in the preparation of this work, there has been an encouragement worth all the time, and labor, and expense. The preparation of this exhibit has been most beneficial in another way. It has shown weakness that already has suggested improvement in the subjects of the exhibit. Had the city exhibited in every line of work, the light shown upon deficiencies would have been most helpful.

THE HENRY F. HARRINGTON NORMAL AND TRAINING SCHOOL.

This school has advanced from year to year in the character of the normal and training work, while the complaints from parents of any want of advantage to their children from attending it have decreased with each succeeding year. These complaints whenever made arise from a misconception of the facts, and were the school to be abolished today, I believe the parents of the district would be the first to complain.

While the school is caring for the children of the district as well as would be done by any other school, the city is receiving adequate returns for the small additional outlay over a regular school, from the opportunities that it gives the young ladies of our city who are to become teachers in our schools to receive an excellent normal training and practice for teaching. It furnishes also a supply for competent substitutes which is of great value to the administration. There is no feature of the school system that is more helpful, more worthy of the support of the Board than this, so long as the standard is kept high, and personal and political influence not permitted to weaken its standard. I am happy to say that so far it has not, and it stands today a strength and example for the schools of the city.

A class of fifteen was graduated in December before a large and appreciative audience, who listened to the essays of the graduates with a recognition that they could not be rendered without hard study, and an appreciation of the principles of education that must secure good teaching. An inspiring address by Dr. Earl Barnes, one of the leading educators of the country, closed the exercises. A class of fifteen was admitted to the school in December. The school building was not designed for a normal school, and the accommodations necessitate the restriction of the advanced class to fifteen. The graduates do not supply enough teachers for the demand. Could one of the buildings, that is to be erected soon, be designed and built to provide for an adequate normal school, it would be of great benefit to the city.

SCHOOLROOM DECORATION.

The broad comprehension of the sphere of the public schools that prevails today, and the willingness of the people to provide the means to extend the range of instructive influences into the domain of the aesthetic, is one of the most significant signs of the times. The New Bedford School Board is most fortunate in having at its disposal a very considerable fund, the benefaction of a wealthy citizeness, which, by the terms of the bequest, shall be used to promote the cause of liberal education in the community.

Mrs. A. W. Tillinghast, a member of the Art Committee of the School Board, has devoted years of study to the subject of art, and has given freely of her knowledge and service in decorating the schoolhouses of the city, and to her I am indebted for much of the information contained in this article. Her work is shown in the fine collection of pictures and statuary that already adorn our school buildings. In a few years there will not be a city in the Commonwealth whose schools will be better supplied with the beneficent influences which appeal to the higher emotions of the pupils.

Much has been written and spoken of the "Little Red Schoolhouse" and the men and women that it sent forth in the world to fame and fortune. But nothing was more unattractive without or within than that same "Little Red Schoolhouse." It is true that many of its graduates became leading citizens of the land, in spite of these early influences, but many of them never ceased to regret, when fame and fortune had been attained, the barrenness and emptiness of their early years which left marks upon their lives that could never be effaced. The "Little Red Schoolhouse" of the rural districts and its immediate successors, and the schoolhouses of the villages and cities of the past, which were not much more attractive, may

have been all that could have been afforded when the country was poor and undeveloped. But the times have changed. We are today one of the richest nations, if not the richest in the world, and it is fitting that our children should not only become the possessors of an education that shall enable them to become intelligent, self-supporting citizens, but refined and artistic in their tastes.

Those interested in the direction of the schools of the city at least so look upon the sphere of modern education.

During the last four years \$1,900 have been appropriated from the Sylvia Ann Howland Educational Fund for the decoration of the schoolhouses with works of art. In addition to this \$520.69 was raised by the Horace K. Turner exhibition arranged for by the Art Committee, and carried out by that committee aided by the teachers. The teachers also, in certain schools, by voluntary contributions from their salaries, have purchased works of art for their schools. This is especially true of the primary teachers whose schools have not been so far granted works of art to any extent from the appropriations of the School Committee, or that raised by the exhibition.

The general plan adopted by the Art Committee in decorating the schools was to begin with the school halls of the grammar schools and work downward. The high school is the possessor of some pictures and statuary purchased in the past, and specific outlay has been delayed there until the new schoolhouse is built.

In the R. C. Ingraham school the hall has been decorated with pictures of foreign architecture, paintings, sculpture and natural scenery, with plaster casts of some masterpieces of Greek and modern sculpture.

Also several pieces of Japanese pottery are shown as examples of shape and good coloring.

The plan adopted for the John Henry Clifford school, which is to keep strictly to American natural scenery and art, has been difficult to carry out because many suitable

and much desired subjects of American sculptors and painters are copyrighted, and cannot be reproduced on the scale desired and within the means available. American pottery also, so far as the matter has been investigated, is too expensive for us except some specimens of Mexican and Indian work. An excellent beginning has been made, however, in adorning this building as planned.

The architectural features of the Parker Street school forbid placing statuary and pictures in it. The works of art so far purchased for this school have been placed in the corridors and the rooms.

Not so much has been done by the Committee in decorating the Middle Street school as the others, the matter being postponed in the hope that the time will not be far distant when this school will occupy the present high school building. Still, this school is now the possessor of some excellent pictures and statuary.

In the Fifth Street school a number of portraits that have been in the possession of the school for some years have been reframed, and pictures and casts have been added.

There is no hall now in the Normal and Training school, it having been divided into recitation rooms. It has been decided, therefore, to place the pictures and casts in the corridors and rooms of the building. A more difficult plan is being pursued in decorating this building than in the others, owing to the character of the school. The objects in view are to instruct and educate the children, and to suggest to the pupil-teachers suitable subjects for school rooms in different grades beginning with the first. So far as possible color prints will be used. But suitable ones are difficult to find. The need of color pictures for our schools is a crying one.

Very little has been done as yet in decorating the primary schools. The committee finds that the limited sum at its disposal can be used best in adorning the gram-

mar schools first. The younger children have so much attractive material used in illustrating their lessons that the need of wall decorations is not so pressing.

CONCLUSION AND RECOMMENDATIONS.

A modern manufacturing corporation must have a plant equipped with machinery of the best approved type, must be provided with sufficient working capital, and must be organized in such a manner that loss in administration shall be reduced to the lowest possible minimum if it is to enter upon a successful career in the industrial world. With all these provided for, it may yet fail if its managers are wanting in that keen foresight that anticipates the market, or lack the sound judgment that is the product of a wise conservatism allied to a spirit of progress. Or, if they do not select for their employees such persons as are skilled in their vocation, their wares may meet with such an unprofitable sale as to produce failure, though all the other conditions which make for success have been complied with.

The comparison of a school system to an industrial plant may seem altogether too materialistic for many, but the same elements that combine for the success or failure of one, combine for the success or failure of the other; and the larger the plant in either case, the more conspicuous the success or failure.

New Bedford has equipped its school system with a good working plant, and is improving it all the time; it supplies adequate working capital; the system is well organized; conservatism and progressiveness have

both had their influence in determining the policy of its administrators; and the standard applied in the selection of its teachers and other employees is high. The results, therefore, should be good, and I believe they are. But good results in dealing with educational matters should not be acceptable; only the best possible should satisfy. A damaged article in manufacture may be replaced by another that is perfect; but a child, a human soul, who suffers through the ignorance of mistakes of those who are intrusted with his making, suffers for life, and his keeping places a tremendous responsibility upon all who direct his training and education.

With all the advance that has been made in educational matters during the past quarter of a century, especially, the variance of opinions among leading educators themselves upon some of the fundamental problems of education, and the failure of the schools as yet to attain desired results in the physical and moral development of the children and youth entrusted to them are most significant.

In closing this report, I would most respectfully recommend that the Board use its influence and authority:

1. To continue and extend the medical inspection in the schools, and inaugurate a system of rational physical training in the schools.

2. To consolidate the rural schools, and, in doing so, provide such a system of transportation and care for the pupils that the objections of parents may be removed and their co-operation secured.

3. To provide enough schoolhouses to house the children of the elementary schools, a number of whom are now in hired quarters, and also to make every effort to have the appropriation made to erect the proposed high school building. This building is needed now to give those pupils who are seeking a higher education the advantages

that one of the leading cities of this Commonwealth should provide, especially in the line of manual training, and also to relieve the pressure for accommodations for the elementary schools in the center of the city, which is becoming very strong.

Respectfully submitted,

WM. E. HATCH,
Superintendent of Public Schools.

Report of Head Master of High School.

NEW BEDFORD, MASS., March 19, 1904.

MR. WM. E. HATCH, Supt. of Schools.

DEAR SIR:—In compliance with your request, I submit a brief report of the High school and its work for the past year.

ATTENDANCE: The large graduating class in June, 1903, the raising of the passing mark from 65 per cent. to 70 per cent., the smaller entering class (caused by more rigorous adherence to entrance requirements), the cutting off of the privilege, previously granted partial students, of remaining in school only while reciting, — all these things have combined to make our school somewhat smaller this year than it was last, but much more efficient.

The following tabular view of the size of classes at the beginning and at the middle of last year, compared with the size of classes at the same periods this year, present some interesting features.

1902-3.						1903-4.					
Numbers belonging at the end of the first month.											
Classes,	Sen.	S.S.	Jun.	S.J.	Total	Sen.	S.S.	Jun.	S.J.	Total	
Boys,	21	42	48	87	198	17	31	42	73	163	
Girls,	43	42	87	105	288	24	77	74	73	248	
	64	84	135	192	486	41	108	116	146	411	
	Post Graduates,				11		Post Graduates,				20
					497						431

Numbers belonging at the end of the first half year.

Classes,	Sen.	S.S.	Jun.	S.J.	Total	Sen.	S.S.	Jun.	S.J.	Total
Boys,	20	42	44	70	176	18	30	36	65	149
Girls,	43	41	83	97	275	23	77	71	71	243
	<u>63</u>	<u>83</u>	<u>127</u>	<u>167</u>	<u>451</u>	<u>41</u>	<u>107</u>	<u>107</u>	<u>136</u>	<u>391</u>
No. fall- ing out in first half year	1	1	8	25	35	0	1	9	10	20

Omitting the post graduates, who of course enter with the intention of leaving in January when they may enter the training school, we notice that while the class entering in September, 1902, numbers 192 against 146 this year, and the enrollment of the four classes was 486 against 411 this year, there have dropped out but 20 this year against 35 last year. During the first half of this year but 10 from the entering class (and several of these pupils entering on condition) have dropped out, against 25 last year.

While the present senior class (4 year pupils) numbers but 41 against 63 last year, the next class numbers 107 against 83 last year. 31 of these pupils are in the commercial course; so that we expect to graduate about 70 pupils in the coming June.

We therefore see that just what we should expect to result from the raising of the standard of admission requirements and of promotion from class to class has taken place, viz: a temporary reduction of numbers, particularly in the lower classes, but an improvement in the quality and quantity of work done. The lazy pupil to whom study is repugnant is the first to feel the pressure of the advanced standard, and prefers to drop out of school rather than make the effort necessary to keep him in his class. The ultimate result will be, I feel sure, to increase both the size and usefulness of the school.

COMMERCIAL COURSE.—The committee's action in making the commercial course, for pupils entering in 1903 and thereafter, co-extensive with the other courses, will do much to strengthen that department.

CURRICULUM.—We have now a complete and detailed curriculum which offers students a wide election, yet furnishes a well balanced course in every case. While, except in a few points, the new curriculum does not essentially change the order, time allotment, or scope of the work hitherto done in the school, it should promote unity and definiteness, and remove repetition, except where needed and planned for. Besides the scope, the aim and something of the methods of our work are set forth. Correlation has been provided for throughout the curriculum, and briefly mentioned under the different subjects. It is hoped that much improvement in this direction will be seen in our work.

The preparation of the work for St. Louis (although it has taken much time and labor) has been especially and opportunely helpful in bringing out the need of unification in our work, and in disclosing many ways that this can be promoted and developed.

ACCOMMODATIONS.—With the somewhat reduced numbers, our school does not feel to the extent it did last year the crowding caused by insufficient room. But in these days of the modern school, it seems a pity to see classes of boys and girls sent from the recitation rooms to the outer doors of the building to get a breath of fresh air sufficient to enable them to continue their work, as one may see in case of our classes that recite in the basement. If we must continue to occupy these basement rooms, is it not possible to have some sort of enforced ventilation installed there?

TEACHERS.—We have been unfortunate in the losses from our teaching force this year. By the sad death of Miss Briggs the school has lost a faithful teacher of long service; by the resignation of Mr. Brown the position of mathematical instructor has been made vacant; by the leave of absence granted Miss Shaw a third position is being filled by a substitute. Thus, three important positions on the teaching are being filled by substitutes. But we expect Miss Shaw to return to us next year; an able man has already been elected to the position of teacher of mathematics; and we hope that the strongest teacher possible will be secured to teach the German. The position of instructor in German is especially important; for at present the majority of our college preparatory pupils are presenting German as one of their chief subjects for college examinations.

Thirty of our pupils (twenty-eight from the class graduating last June, and two of the class of 1902) entered higher institutions of learning and professional schools last autumn. They were distributed as follows:

Brown University,	2 girls and 3 boys.
Boston University,	1 boy.
University of Minnesota,	1 boy.
Dartmouth College,	3 boys.
Mass. Inst. Technology,	2 boys.
Mass. College of Pharmacy,	1 boy.
Bradford Academy,	1 girl.
Eastman Business College,	2 boys.
Harrington Normal and Training School,	14 girls.

One of our boys who went to Dartmouth won a prize of \$100 in competitive entrance examinations; and I learn from unofficial sources, that all three of our boys who went to Dartmouth are in the first dozen of a class of 275 men.

The following is the official report of our pupils at Brown at the end of the first term; no pupil failed to pass or received a condition.

One boy won a credit in French.

One boy won a credit in French and in mathematics, and special honors in Latin.

One boy won *three* honors in French, in mathematics, and in latin, and two credits in English and in Greek.

One girl won one honor in French, and *four* credits in Botany, in English, in mathematics, and in Latin.

The other girl was obliged to leave college before the end of the term on account of ill health.

Our school has been put upon the "approved list" by the New England College Entrance Certificate Board, and has full certificate privileges at all New England Colleges that accept pupils upon certificate.

I mention these things with no thought of boasting, but simply to show the citizens, who by their splendid support make our school possible, how its efficiency is rated by college authorities, men who, entirely unconnected with us or our city, must be believed to pass unbiased judgment upon a portion of our output.

Yet this is but the smaller portion of our graduates. We estimate the usefulness of the High school much more upon what it is doing for the great majority who do not go to college. Were this report not already too long, I should be tempted to make a tabular statement of the positions filled and the salaries earned by the non-college pupils graduated from our high school in the last few years.

NEEDS.—It is of course an old story to mention our great needs; vs: adequate laboratory facilities, manual training and play grounds. But I have faith to believe that in time our citizens will come to realize that we are doing almost nothing for one half the being—the physical

half—of our children, thus allowing it to come to maturity untrained, weak, and atrophied, when we should be building it into a splendid basis for the mental and moral training that we are giving them; and when the citizens do come to realize this, surely they will furnish means for giving the citizens of to-morrow the well rounded training that they need if our country is to hold its leadership among the nations in the van of civilization.

Most respectfully yours,

WILSON R. BUTLER,

Head Master High School.

Report of Principal of Harrington Normal and Training School.

MR. WILLIAM E. HATCH, Supt. of Schools.

Dear Sir:— In your report of last year, reference was made to the limitations of the building now used for the Harrington Normal and Training School. Those limitations are yearly more apparent. The senior classes of the past two years have had the maximum membership necessitating opportunities for practice teaching for fifteen pupil-teachers. Two rooms have been divided by screens to accommodate two grades each and a part of one normal room, and all available corridor spaces have been used as recitation rooms. These arrangements, however, have not afforded adequate opportunity for the practice in teaching and governing children, which is one of the most essential parts of the course of training.

Teaching is rapidly developing into a profession as evidenced by the increasing opportunities for professional training and by the increasing demands for teachers of such training. If the graduates are to successfully meet the rightful demands of the New Bedford School Board, only high school graduates of good scholarship should be admitted to the school, and it should develop to the utmost its courses in the history, science and art of education. It should also keep in touch with schools of greater resources

that its students may know and be stimulated to seize opportunities for higher scholarship and broader training which are becoming each year more and more available to teachers. Three of the assistants are graduates of State Normal Schools. It would be of advantage to the school if they were given opportunity to observe not infrequently the lines of advance in those schools. The pedagogical departments of Harvard, Columbia, and Chicago universities are publishing some of the results of their work, especially that of their practice departments. These publications should be regularly added to the school library.

I would suggest that the course of training include observation of the Manual Training School and the Kindergartens. The schools of America are being organized into a national system of education as the laws and principles of education are better understood in their relations to American life. This movement is furthered by the development in each city and state of a school system based upon and influencing the social conditions, institutions, and ideals of each community. The pupil-teachers here should study all the grades and schools of New Bedford as parts of its system having such relations to and influencing this community.

By the courtesy of the Trustees and the Librarian, a course of ten lessons on the resources and use of the New Bedford Public Library is arranged to be given this coming year by Mr. Tripp to a class of pupil-teachers. It is hoped that the lessons may be repeated each year as a part of the regular course of training.

In June, Miss Mary J. Read resigned as assistant in charge of the fourth grade, to accept a position in the Friends Academy, and Miss Grace W. Russell resigned as assistant in third grade to accept the principalship of Clark Street school. Both teachers were graduated with honor from the school and at once assigned as assistants

in charge of two of its grades. Miss Madeline Gile was, at her request, transferred from fifth to fourth grade, and Miss Annie B. Gidley of the class of 1902, was assigned to the third grade. In November, Miss Mary A. Days, a graduate of Hyannis State Normal school, and a teacher of experience in grammar grades, was assigned to the fifth grade.

The following statistics are significant:

January 1, 1903-1904.

Pupil-teachers enrolled during the year,	30
Pupil-teachers admitted to junior class, Jan., 1903,	15
Pupil-teachers admitted to junior class, Sept., 1903,	15
Pupil-teachers admitted to senior class, Jan., 1903,	15
Pupil-teachers graduated, Dec., 1903,	15
Pupil-teachers admitted to junior class, Jan., 1904,	15
Pupil-teachers in senior class, Jan., 1904,	15
Days substitution by pupil-teachers,	177.5

Respectfully submitted,

CORA A. NEWTON, Principal.

Report of Supervisor of Music.

MR. WILLIAM E. HATCH, Supt. of Public Schools.

Dear Sir:— In compliance with your request, I submit the following:

The past year's work in music has followed the general course outlined in my last report. More attention has been given to the proper placing of the voice, and marked improvement is being shown.

While there are yet some rooms in which the pupils are inclined to shout rather than sing, in most a fine quality of tone may be heard.

In many places where music is taught, nothing in the line of proper voice production is attempted. This condition is due to two causes: First, the brief hour per week given to music; second, the opinion of some supervisors that the grade teacher should not attempt this kind of teaching.

I regard the subject of voice-placing, so called, of much importance, and am sure that the grade teacher can greatly benefit her class, if she is willing to devote a few minutes daily to acquiring the ability properly to illustrate the exercises necessary to good vocalization.

I am glad to say that most of our teachers are not only making an effort in this direction, but are succeeding admirably.

More written work is being done in the fourth grade than heretofore, and as a result, this grade is showing more musical intelligence than its predecessors.

Because of the amount of written work in the third and fourth grades it would be advisable to provide them with blank music books, such as are published by the Mozart Composing Book Co., or Silver, Burdett & Co.

In the grammar grades, the individual singing from dictation has reached the point where a pupil seldom refuses to sing, or, at least, to try. Five minutes a week is given to writing music after hearing it sung or played. This form of musical dictation is very valuable.

The music books now in the grammar grades have been in use twelve years, and a new series would undoubtedly add to the enthusiasm of both teachers and pupils.

I should not advise exchanging the present books, because I consider them, as a whole, the best published. I should like a new course for supplementary use.

The singing in the high school continues to improve. There are but few pupils who do not sing. Those who enter the upper grades of the grammar schools or the high school without previous musical training, generally sing by ear. When they come to intricate harmonies, they usually follow the soprano part, no matter which part is assigned to them. The best remedy for this fault would be an extra period for the study of the rudiments of music and sight singing.

I wish our upper classes, at least, could have the Laurel Song Book. It would greatly enhance the interest of the pupils, since variety is no less attractive in music than in the other arts.

Respectfully yours,

FREDERICK H. BUTTERFIELD,

Supervisor of Music.

Report of Supervisor of Drawing.

MR. WILLIAM E. HATCH, Supt. of Schools.

Dear Sir: — It is well at some point in our year's work to look back over the road we have traveled to consider what difficulties have been surmounted, where were the rough places in the road, what caused them, and how they may be made smoother for those who shall next pass.

In drawing, the eye must be trained to see, the hand to express what the eye has seen, and in order to do this we must think in a clear and orderly way. The result on paper is a revelation of the manner of the draughtsman's thought as well as of the stage he has reached in manual expression. Whatever the subject to be represented we should endeavor to express it so that the result may be a thing of beauty — making it beautiful in its expression of form and color or in its clearness of statement and carefulness of treatment. As much as possible should there be individuality of expression. No two persons see a thing in exactly the same way and the manner of expression would naturally vary.

An outline of the work for the year is furnished, giving principles to be taught and suggesting subjects and methods for the lessons, but leaving the teacher freedom to vary the presentation according to the needs of her class. Correlation of drawing with other studies is urged and the importance of drawing as a means to clear concepts.

Owing to the increase in the number of pupils and the opening of new rooms in the school buildings and annexes, the supervisor is able to visit each room but once in five weeks. The burden of teaching is thus thrown largely upon the grade teacher, assisted by the supervisor's meetings held at regular intervals, and by what aid the supervisor can give at her visits and during the hours when she is at her office for consultation. It is noticeable that when the teacher herself is interested in drawing and its relation to the children's daily needs, their work has much more vitality than when the teacher administers the lesson as something which is in the programme and must be taught but with which she has no sympathy. The results of a drawing lesson show clearly whether the lesson has been conducted in a lifeless, mechanical manner, or whether it has been one of interested study and individual expression on the part of the pupil. It is not expected that all pupils will draw equally well, but a drawing, though faulty in execution, may always show observation, orderly thinking and life.

In object drawing more careful attention should be given to clear and intelligent presentation of simple perspective principles in grammar school work. It is desirable that some of the schools should be furnished with a large number of objects suitable for drawing. We are generously supplied with type-forms from which to study perspective principles, but not so well with objects in which to observe the application of those principles. In some schools the same objects have to serve over again in the different grades, thus losing freshness of interest, which is a factor to be considered in obtaining good work.

In clay modeling increased attention has been given to life forms. The children have illustrated geography work and have modeled spirited little animals and have given form to familiar stories. Interesting work has been done in drawing from life, from children and from

animals and birds brought into the class-room. Let us not stop at merely representing the figure, but, placing it in relation to other figures or objects, use it to express a thought or tell a story for which the isolated figure serves as preliminary study.

In design, while not attempting work which calls for technical knowledge, the pupils have combined lines and measures to make units and applied them to surface coverings and borders in color. They have made designs for articles of household furniture, book-covers, needle work. In the high school a prize was offered for a programme cover to be used at the annual drill and reception. The work on historic ornament has been prepared in the form of books illustrated with sketches and bound between covers. Much care and interest have been put into the making of these books.

The suburban schools are rather a problem. With so many classes and so few pupils in a class, it is difficult to grade the work well. By grouping the class we are enabled to save time, and so complete the year's work.

An exhibition of drawing consisting of a mounted course of study illustrated from the daily work of the schools, seventeen volumes and some portfolios of pupils' work was arranged for the Educational Department of the Louisiana Purchase Exposition at St. Louis. This exhibit illustrated the work from the kindergarten through the high school, including drawings from the manual training school.

Effort is made that the work should be practical and related as much as possible to the pupils' daily interests, while always keeping in view the aim to create something beautiful. Beauty may be discovered in common and familiar things. In selecting subjects to draw we often overlook what lies near at hand. A weed from the roadside may make as interesting a study as the hot-house flower, or, rightly treated, may furnish as beautiful

motive for design. If a thing is not beautiful we may study how it may be made so, and thus exercise the creative faculty. We must bring beauty to the children, but also it is as important to help them to find beauty in what lies about them. The more the subject appeals to the pupil's needs and interests the more vital will be the result.

Respectfully submitted,

LUCY C. BEDLOW,

Supervisor of Drawing.

REPORT OF SUPERVISOR
OF
NATURE STUDY IN PRIMARY GRADES.

MR. WILLIAM E. HATCH, Supt. of Schools.

Dear Sir:— In compliance with your request, I herewith present the following brief report of the purpose of nature study and of the plans now in practice in the public schools of New Bedford.

The general purpose of nature study, as taught in our schools, is to bring the child into such close contact with nature as shall lead to a sympathetic acquaintance with his natural environment, thereby increasing the joy of living; to create an ever deepening interest by the development of power to see things, and understand the meaning of what is seen, to give the child a knowledge of some of the great laws of nature, and thus broaden his conception of life by teaching him to appreciate beauty and adaptation, and to realize the economic value of such knowledge to man. It is also taught as a preparation for much that is met in geography, literature and art, and for the purpose of cultivating a love for good nature literature.

Since presenting my last report I have, at your request, prepared a new schedule of work for the primary and grammar grades. In this the individual teacher has been given a broader range of subject matter from which to select material. This was done for the purpose of

meeting the varied conditions of environment found in different sections of the city, with the hope of stimulating the true nature spirit by a more perfect adaptation of the work to the requirements of the child.

During the first year, as the schedule shows, our aim is to arouse the interest of the child through a broadening acquaintance with his own environment. From this *study of things* he must be awakened to an interest in the *reason of things*, this we seek to accomplish through observation of the habits of plants and animals, and their relations. Then follows the study of some special forms of life, selected to emphasize certain nature truths. In the fifth year it is the study of nature processes, and the life histories of insects and animals; in the sixth year, in the spring and fall, a study of our common trees, and in the winter an experimental study of the common metals; in the seventh year, how plants grow, and the coal series; in the eighth year, a general survey of the animal-world, based on the observation of local typical land and water animals, and the lime rocks; the ninth year is devoted to a resume of the nature environment in New Bedford, for the purpose of reviewing and fixing the work of the previous years.

In order that the child may be brought into as close contact with nature as possible, he is either taken out-of-doors for his lesson, or nature material is brought to him in the school-room, so he may study things instead of merely talking about them.

The first step leads to an extensive acquaintance with plants, animals, and natural phenomena. That this appeals to the younger children is illustrated by the fact that last spring a class of children who entered school in January, became so thoroughly interested in making the acquaintance of wild flowers, that they found and brought into the school-room over eighty varieties.

The second step begins with the fact which the child observes and leads him to question the significance of the fact, for unless an interrogation is left in his mind, the lesson has failed to accomplish its purpose. It is not sufficient for him to observe the scars on the horsechestnut twig, he must discover what caused them, and be led to question whether the same is true of all trees, for it is by this means that his spontaneous interest may be cultivated until it becomes a permanent interest.

The work is designed to develop the child's power to observe and reason as he advances from grade to grade. He is sent directly to nature to make his observations, these he is taught to record either by note or sketch. From time to time these records are made the subject of class discussion, at which time errors are corrected and interesting bits of information are acquired from the observation of others. The final result of the work is given in a carefully prepared paper, illustrated by the sketches previously made.

Since nature study consists, not in the presentation of subject matter, but in a spirit, we must not fail to recognize how essential it is that the teacher should be helped to cultivate this spirit in order that she may impart it to others. No book or set of books alone can give the help that is needed in preparing a lesson. One must learn how to turn to nature for the answer to many questions, and the first attempts along this line often result in such dire failure as to completely discourage further effort. Realizing how much time and study is required to fit one for this kind of work, I would respectfully suggest that if it is possible, more should be done to aid the teachers of the grammar grades. If grade meetings could be held regularly once a term, this would give an opportunity for the supervisor and teachers to plan work, to discuss the problems that arise in different classes, and would keep the grammar work in touch with that of the primary

grades. If in addition to this a regular office hour could be arranged so the teachers could meet the supervisor for closer, personal help than can be given at any grade meeting, I feel that the teachers, especially those new to the work, would make profitable use of such assistance.

In closing I wish to thank the teachers for their earnest and faithful work, and the Superintendent of Schools for his kind assistance and hearty appreciation of all the work done by the teachers.

Respectfully submitted,

CAROLYN D. WOOD,

Supervisor of Nature Study in the Primary Schools.

REPORT OF THE INSTRUCTOR OF COOKING.

MR. WILLIAM E. HATCH, Supt. of Schools.

Dear Sir:—In answer to your request for a brief report, the following is submitted:

In September, 1903, we admitted 386 pupils. In March, 1904, there are 339 pupils. Of the initial number three have died, some are ill and no longer counted, many, principally from the eight grade, have left to go to work, and a few have moved from the city. Few have been absent except for illness, and we have only ten cases of tardiness.

At present the forenoon period is $2\frac{3}{4}$ hours, and the afternoon period $2\frac{1}{4}$ hours in length. We wish that they were of equal duration. Once in two weeks one class would have fifteen minutes less and another class fifteen minutes more than its schedule, unless all excepting high school classes should alternate, which would bring about a balancing once a month. The classes would then receive much more even instructing. Now, the longer period comes in the forenoon when bodies and brains are rested and do not so much require it.

The new gas heaters enable us to do more individual work than formerly, in all lessons where the expense is not too great.

Records of home work are written by the pupils and collected for the teacher to examine. Nearly all report well. The housework record is often a larger figure than

that of the cooking. Girls are often trusted to perform housekeeping duties, but some mothers either find it difficult to get time, or find it irksome to oversee cooking processes, and some do not wish to risk material; to these last, let me say that almost no food is spoiled at school, even with first attempts, and that the girls who are getting much home practice are fast growing in usefulness. Nearly all of the cooked food brought from home for inspection is found satisfactory, and when not, the pupil has been provided with materials, when possible, and allowed to repeat the work.

Our high school classes, though small, have had enthusiastic workers. The Thursday class, seven in number, is composed, with two exceptions, of beginners in the work, and the Friday class of five of advanced pupils. The Thursday class is scarcely yet able to give the usual support necessary for a reception such as has sometimes been given, so it is planned to invite smaller numbers to something less formal if such a plan meets the approval of those in authority. The Friday class has had some menu work, but not that altogether, as there seemed to be a call for more practice in certain plain, substantial dishes.

The South Mill class has been satisfactory. Besides cooking, they have had several table-setting and serving lessons, are developing into careful housekeepers, and seem to take great pleasure in all they do.

In all classes, each girl by herself, or with some other, has built and sustained a coal fire, or will have done so before the year closes.

An exhibition of cookery will be held probably upon Wednesday of the last week of the school year.

The course of study as printed has been followed with a few exceptions approved of by Mr. Hatch. One of the changes was the introduction of the dressing, cooking, and serving of poultry in place of "Mutton Fricassee."

In connection with the meat lessons in the eighth grade, the classes by division are taken to a market after school to study cuts, uses, and costs of meats. The marketmen have been kind in receiving us and explaining these things.

We wish to acknowledge herein the kind movement of the New Bedford Woman's Club, in furnishing to the high school and ninth grade classes an afternoon of pleasure and profit at a public demonstration by Miss Farmer. We are much indebted to Mr. Hatch and Dr. Weeks for their interest, advice, and co-operation; to Miss Donham for the orderly manner in which she left the work of the department, and to Miss Swasey and Mr. King for much kind counsel and assistance.

Respectfully submitted,

MABEL W. CHANDLER,

Instructor.

REPORT OF THE INSTRUCTOR IN MANUAL TRAINING.

MR. WILLIAM E. HATCH, Supt. of Schools.

Dear Sir: — The following report is most respectfully submitted:

At the close of the present school year in June, 1904, the Sloyd department of the public schools will have completed ten years of work.

From a beginning of 325 in the autumn of 1894, there has been a steady increase in the enrollment each year. At the time of the October report in 1903 the numbers had reached 476.

The attendance for the year has been excellent, the average being 97 per cent.

Order is easily maintained. The boy at Sloyd with his hands engaged, interested in what he is doing, and ambitious to accomplish as much as possible in the time allowed for his lesson, cannot waste his minutes in so commonplace a way as by causing a disturbance in school.

The changes which I asked permission to make a year ago in the models of the seventh grade, have proven satisfactory with one exception, and another year will witness the necessary improvement in that.

In January and February of this year, a set of forty working drawings of the Sloyd course were prepared by the pupils, and are to form a part of the educational exhibit which is to be sent to St. Louis from this city. It is a matter of regret that the small allotment of space

prevented a full display of the constructive work at present being done in the 7th, 8th and 9th grades of the public schools.

Since January 1, 1904, pupils have been encouraged to design and construct useful and ornamental articles, among which are desks, tables, book cases, and cabinets. Such a departure awakens greater interest in the pupils than the models of the regular course.

Once in two years, a boy is selected from each class of the 8th and 9th grades, to make a miniature yacht. The work on which is performed during the regular lesson hours at Sloyd, and is a privilege much sought by the boys. The interest which every boy feels in a boat, stimulates the fortunate one to put forth unusual thought and care, in his endeavor to make his effort a success. Another incentive is that the eyes of his class are upon him. They are all watching and passing judgment on the work of his hands. I regard the exercise in boat construction of great educational value and a valuable adjunct in the development of the sense of touch.

The increase in the number of pupils in the seventh and eighth grades, which is certain to take place next year, will render it very difficult to provide for all. While it would be possible to accommodate 600 pupils at Sloyd each two weeks, it is a difficult problem to form combinations of classes from the various schools, which will not number more than thirty pupils per class. Again, such classes are larger than one teacher can properly attend to, where individual instruction is given. However, it is possible with class instruction. The disciplinary work, with a class made up from two different schools, is rendered more difficult than when the pupils are all from one school.

I, therefore, most respectfully suggest that another teacher be employed, and a new room provided and fitted

for the use of the Sloyd department. The time seems to have arrived when such a step is a necessity.

I also request that I be allowed to extend the change of models, begun this year in the seventh grade, to the eighth and ninth grades. This change is in accordance with the recommendations of the Sloyd Normal Training School, Boston. The proposed models are of greater interest to pupils, and do not take so long to construct as those at present in use. Consequently, a larger number may be completed, a wider field of thought covered, and a greater variety of exercises requiring more varied and physical effort will result.

Respectfully submitted,

EDWIN R. KING,

Instructor in Sloyd.

New Bedford, March 17, 1904.

REPORT OF THE SUPERVISOR OF SEWING.

MR. WILLIAM E. HATCH, Supt. of Schools.

Dear Sir: — In accordance with your request, I submit the following report of sewing for the school year ending June, 1903:

In compliance with my request, made at a meeting of the sewing teachers, near the close of the school year, June, 1902, the finished work from all the schools was collected and handed to me for inspection. I am happy to be able to state I felt repaid for the extra time and labor necessary to examine the work. It was generally well done and gave evidence that a successful effort had been made to carry out my plans and suggestions in regard to the course of work.

The following year, covered by this report, I deeply regret that it was too apparent that not so much care had been exercised. Too often, very poor work came to my notice, much of which was found necessary to have done over, in order to keep up the standard of good work, and it was found that the child could do better. This poor work, much of which was done in the fourth grades, greatly impeded the progress of the fifth grades. I most earnestly hope this may never again occur.

The children, with few exceptions, look forward to the sewing period with pleasure. Unabated interest and enthusiasm in the work are manifest from the encouraging results generally obtained. Much depends upon the

manner with which a lesson is given. If given with a pleasant, confident manner, the children respond in a like manner. Continual effort is made to improve and strengthen the course, making such changes as time and conditions warrant. For detail of work, see the printed "Course of Study."

Accuracy is acquired by counting threads, the accurate measurements required, the precision in the matter of darning, and all that pertains to the work of the course.

The first aim of the system is to enable the child to see correctly, to use what she sees with facility, and to make her hand the ready servant of her will.

In all lines, the artistic is now being incorporated into the common, every day life of the people, and the work of the needle should be no exception.

Knowledge only can accomplish this, for the skillful use of common materials which are among daily necessities, renders the work of the needle truly artistic.

Sewing, scientifically taught, enables the public school to impart useful knowledge which will be of life long benefit to the child. It does as much for the girl as wood work does for the boy. The influence is as important and great over the home life.

From what I have learned and observed, New Bedford's four-year course will compare favorably with any other city with the same length of time given this important study.

Information is often received of the great benefit this instruction has been to girls.

Often, pupils of the seventh grades express regret that the lessons are discontinued after they leave that class, and have expressed a wish that a private class be formed which would allow them to continue their course.

I hereby most earnestly and respectfully solicit your approval of, and recommendation, that another year be added to the course. I feel sure if the third grades be

included in the course, that the small extra expense of such a change would be nothing in comparison to the real benefit derived from the added year.

Work in the primary grades advances work in the grammar grades. Other cities of importance commence with the third grades.

If I may be allowed to make this suggestion, I believe that evening classes would be very useful, giving an opportunity to those desiring to continue with the work, as in drawing and other evening classes.

I am convinced by my association with the girls, there would be many who would profit by the privilege and gladly take advantage of the opportunity thus offered them.

I wish to extend my sincere thanks to the Superintendent and School Committee for the freedom allowed me in planning my course. Their confidence and kindly support have done much to make success and progress possible.

I cannot feel this report is complete unless I express my grateful appreciation of the uniform courtesy extended and kindly interest shown by the regular teachers.

Thanks are also due the assistant sewing teachers for faithful co-operation in carrying on the daily work.

Respectfully submitted,

LENA M. WILLIS,

Supervisor of Sewing.

REPORT OF HEAD KINDERGARTNER.

MR. WILLIAM E. HATCH, Supt. of Schools.

Dear Sir: — The outline of work as suggested for the New Bedford Kindergartens has been followed for the past year with very satisfactory results, connecting the kindergarten more closely with the primary school, and fitting the children for the next step in school life. It has been felt by the kindergarten leaders in the United States, that the programme for the smaller children, however, was not perfected, and many months of study and preparation have been spent upon it. We have been able to obtain this perfected programme, and by its use, with its many helpful thoughts and suggestions, feel that our work stands well with that of educational centers.

The games have been stimulated and strengthened by the many ideas, both for games and physical culture, given by Miss Fanny Johnson at her game course in Providence, which occurred successive Wednesday afternoons for some months, and was attended by nearly all our kindergarteners.

A volume of painting, drawing, and constructive work, leading up to drawing and designing, has been prepared for the St. Louis Exposition, in connection with Miss Bedlow's work.

The kindergarteners have held weekly meetings for thoughtful conference. The mothers' meetings have been discontinued since December on account of the extreme cold, but the calling at the children's homes, which in

some sections of the city is more satisfactory than mothers' meetings, owing to the inability of the mothers to speak English, has been continued.

We feel that interest in the kindergarten is growing, although the percentage of attendance may not show a marked increase over former years. It must be remembered that last winter, several epidemics swept over, not only New Bedford, but the surrounding section of New England greatly affecting the attendance. This winter, the almost unprecedented cold has kept many children at home. In comparing the New Bedford statistics as to "average number of children belonging" and their "average attendance" with that of fifty leading cities, I find we stand well up in the list. The number of children who entered in the fall and will re-enter in the spring, and the long distances from which many of them come, shows the interest and appreciation of the people.

In closing, I would suggest that the head kindergarten have one visiting day a term, in which to visit the kindergartens of the city, in order to better supervise her work. It would also be most helpful if the principals of buildings of districts not having kindergartens, would send children to the kindergartens who apply for admission to the first grade, but are too young to enter it. Often, the mothers know nothing about the kindergartens. I wish to thank the first grade primary teachers for the suggestions they have given, enabling us to connect our work more directly with theirs.

Yours very truly,

JOSEPHINE H. COBB,

Head Kindergartner.

1904. CITY DOCUMENT. No. 7.

Twenty=fifth Annual Report

OF THE

BOARD OF HEALTH

OF THE

CITY OF NEW BEDFORD

TO THE CITY COUNCIL

FOR THE YEAR 1903.

NEW BEDFORD, MASS.
THE A. E. COFFIN PRESS, CITY PRINTERS.
1904.

REPORT.

OFFICE OF THE BOARD OF HEALTH,
NEW BEDFORD, January 1, 1904.

To His Honor the Mayor, and Gentlemen of the City Council;—

GENTLEMEN — In presenting the 25th Annual report of this department, we would first call your attention to the subject of contagious and infectious diseases.

Small-pox has not been epidemic in New Bedford during the past year, only nine cases having occurred, and of these four were members of one family. All these cases were promptly removed to the small-pox hospital, treated by the city physician, and recovered.

Of diphtheria, there were 130 cases with 32 deaths, a percentage of nearly 22%. The Board has reason to believe that many of these deaths were due to delayed diagnosis and the neglect to use antitoxin promptly and in sufficiently large doses. The attention of physicians has been called to the fact that cultures handed into this office are reported upon, within 24 hours without cost to the afflicted individual and through the State Board of Health, free antitoxin is provided. We feel that physicians not availing themselves promptly of these facilities incur a grave moral responsibility.

The Scarlet fever record for the past year is appalling. In 1901, 112 cases were reported with 10 deaths, a mortality of 11.2%. In 1902, 144 cases with 31 deaths,

mortality of 22%. In 1903, 574 cases with 148 deaths, mortality of about 26%. The localities in which the afflicted children lived, (for in the great majority of cases the disease appeared in children,) were practically confined to the tenement districts of the north, south and north-west portions of the city, while the so-called residential districts in the center and west were particularly free. The great majority of fatal cases were in children under five years of age and not children of school age. Everything possible in the way of disinfection and warnings to the physicians and families has been performed by this Board. Every case has been investigated, every house and schoolhouse disinfected. Children in the schools where there has been a suspicion of unreported or unrecognized scarlet fever have been sent home and watched. Our opinion is that until cases of this disease can be promptly isolated, that epidemics like the one under consideration will occur and the death rate continue enormous. Such isolation is impossible without the establishment of a contagious disease hospital for both scarlet fever and diphtheria, an institution which happily is now under construction and to the subject of which we shall refer to later in this report.

Typhoid fever has not been as prevalent as in the preceding year: 1903 giving 153 cases against 183 in 1902. Each case was investigated and the source of infection ascertained when possible. It is our belief that most cases come from the milk supply and the indiscriminate drinking of well water by people visiting the country localities. Until the legislature of Massachusetts gives local Boards of Health power to regulate the stabling and care of cows in the vicinities supplying milk to cities, we feel that nothing can ever be accomplished towards preventing this serious disease. Such legislation is in effect in Boston and Lynn where special laws have been passed, and in many other large cities of this country. If

such an act should become a law, we would be able to control the milk supply of this city and we believe the mortality among infants would be greatly diminished.

COLLECTION AND DISPOSAL OF GARBAGE.

During the past year the collection of garbage has been done more satisfactorily than in any previous year. Not only has more territory been covered but modern collecting wagons have replaced the old ones, improving not only the appearance of the teams but adding greatly to their sanitary condition.

The destruction of the garbage has not been as satisfactory. Complaints from people residing in the neighborhood have been numerous and a hearing was given by this Board, at which representatives of the New Bedford Product Co. and of the complainants were present. Our opinion is that the disagreeable odors complained of are present during certain conditions of the atmosphere and while we do not consider them as unhealthy, some action must be taken to remedy them. We are also of the opinion that such odors are due to the present method employed in destroying the garbage and could be entirely obliterated by the addition of more modern machinery. The New Bedford Product Co. has installed considerable new machinery during the past year and it is our hope that arrangements may be made by which at an early date the process can be accomplished without offensive odors.

CONTAGIOUS DISEASE HOSPITAL.

June 30th the City Council designated the City Property Committee to act with our Board on the question

of the advisability of building an Isolation Hospital for the care of diphtheria and scarlet fever. Plans were drawn according to our suggestions by Edgar B. Hammond, Architect, and later in the year the bid of Henry T. Bulman for \$27,724 for the construction of the same was accepted by the Council and work is now progressing upon the buildings. The hospital will consist of two wards, one for diphtheria, and one for scarlet fever, with an administration building between. There will be accommodations for about fifty patients and the building is so arranged that more rooms can be economically furnished if necessity for the same occurs. It is our hope that during the summer of 1904 the building will be ready for use.

MEDICAL SCHOOL INSPECTION.

The number of medical school inspectors was increased from two to four at the beginning of the year with the result that the schools have been thoroughly inspected and the number of visits to the same have been doubled. During the year 85,000 examinations were made and 233 were recommended to be sent home.

DISINFECTION.

Disinfection in cases of small-pox, scarlet fever and diphtheria is compulsory and during the year 1660 living rooms in various buildings of the city have been thoroughly disinfected with Formaldehyde gas. In addition all schoolhouses were disinfected during the past summer, a measure which we consider as conducive of adding to their safety for the ensuing school year.

VACCINATIONS.

During the year there were 1560 free vaccinations. (133 of which were revaccinations) comparing with 610 in 1902, and 425 in 1901.

BACTERIOLOGICAL LABORATORY.

The Bacteriological laboratory established in 1901, has been successfully carried on by Dr. Chas. F. Connor. The number of culture tests for diphtheria have about doubled over 1902, and we consider that the value to the city of this department has been fully proved. Tests are also made for Tuberculosis and Typhoid fever.

During the year the following persons were granted licenses as journeymen plumbers:

James Conway

Oliver J. Beach

The following plumbers renewed licenses of the previous year.

MASTER.

Thos. P. Knowles,
Joseph O. Savage,
Wm. H. Mudge,
Wm. E. Searell,
Eben P. Hirst,
J. D. Elliott,
A. L. Belanger,
Arthur R. Weeks,
John F. Haughey,
Martin V. B. Cahoon,
James E. McGoff,
Percy C. James,
Allen R. Searell,
John Hargraves,
Henry J. Gurl,
Jos. P. Reilly,
Michael L. Sylvia,
J. V. O'Neil,
George J. Allen,
A. Bolduc,
J. G. Hellyer,
Thos. Gregory,
S. R. Clark.

JOURNEYMEN.

Walter P. Bailey,
Herbert C. Reynolds,
Edw. D. Lawton,
Alonzo W. Spooner,
Wm. R. Collins,
Napoleon Bertrand,
Chas. E. Mellor,
John Burke,
Jas. J. Phelan,
John T. Conway,
Patrick Lóftus,
John Enos,
Wm. S. Raphael,
Warren F. Smith,
Wm. D. Hamel,
John Lowney,
Chas. Kennedy,
Chas. Stowell,
Chas. L. Allen,
Edwin Carr,
J. G. Hellyer, Jr.,
Barney Devlin,
James F. Murphy,
John T. Murphy,
Allan McAlpine,
Wm. H. Barry.

During the year 1903, the following persons were granted licenses as undertakers:

A. P. Lagasse,	A. Desautels,
Israel Gerstein,	Vital Girard.
Siman Simanski, 2nd,	Louis S. Williams,
J. D. Sullivan,	J. E. Moriarty,
Jas. W. Holt,	Max Marder,
Geo. E. Thomas,	Henry P. Wilson
W. C. Vaughan, Jr.	Chas. E. Vaughan,
John F. Rogers,	Robert J. Curry,
E. R. Gravel,	Leon Goldstein,
J. S. Williams,	T. J. Murphy,
Henry Proulx	E. T. Wilson,
John Rogers,	Jos. Carriere.

During the year 1903, the following permits were granted by the Board:

Cleaning vaults and cesspools	16
To reinter	117
Stable	8
Swine	17
Cattle	18
No. of notices served	46
No. of complaints	135
Complaints without cause	25

We refer you to the various reports, outlining in detail the work of this department.

Respectfully submitted,

WM. G. KIRSCHBAUM,
J. T. BULLARD, M. D.

BOARD OF HEALTH.

Expenditures for the year ending Nov. 30, 1903.

Dec. 1902	\$3,009.79	
Jan. 1903	\$2,860.66	
Feb. "	\$2,767.23	
Mch. "	\$3,092.64	
Apr. "	\$3,008.07	
May "	\$2,990.00	
June "	\$3,027.67	
July "	\$2,761.48	
Aug. "	\$2,916.38	
Sept. "	\$3,161.25	
Oct. "	\$3,056.28	
Nov. "	\$3,032.26	
	Total expense	\$35,683.71
	Appropriation	\$35,000.00
		<hr/>
	Deficit	\$683.71
Transferred from unappropriated funds		\$683.71

REPORT OF MEDICAL INSPECTOR.

NEW BEDFORD, Jan. 1, 1904.

To the Board of Health:

GENTLEMEN — I herewith submit my report as medical inspector:

There were reported to the Board during the year 574 cases of scarlet fever. All of these were inspected by me, except a few who died before case was reported. In some cases several visits were made after the first inspection.

Of diphtheria, there were 130 cases reported. None of these cases were released except on a negative culture at the expiration of four weeks or two negatives within the four weeks (or by death); 94 cultures were taken irrespective of the release cultures, on request of the attending physician for diagnoses.

Small-pox: 8 cases were reported — 23 persons who had been exposed to the disease were under surveillance during the danger period and examined every day during that time.

I have signed 50 death certificates—there being no attending physician.

Respectfully submitted,

ALPHONSE NORMANDIN, M. D.

REPORTS OF MEDICAL INSPECTORS OF SCHOOLS.

NEW BEDFORD, Jan. 1, 1904.

To the Board of Health:

GENTLEMEN — I herewith submit my report as medical inspector of schools:

Number of examinations made, 19,454.

" "	children recommended to be sent home,	85
" "	consultations with teachers	28
" "	Pediculosis,	2613
" "	Defective vision,	15
" "	Tonsillitis,	1
" "	Not vaccinated,	1
" "	Tinea,	25
" "	Otitis,	20
" "	Blepharitis,	7
" "	Mental deficiency,	2
" "	Defective hearing,	4
" "	Eczema,	21
" "	Herpes,	19
" "	Scabies,	30
" "	Conjunctivitis,	5
" "	Filth,	3
" "	Impetigo,	4
" "	Mumps,	18
" "	Chicken-pox,	4
" "	Whooping cough,	1

Respectfully submitted,

J. P. ST. GERMAIN, M. D.

NEW BEDFORD, Jan. 1, 1904.

GENTLEMEN—I herewith submit my report as medical inspector of schools:

Number of examinations made,	20,000
“ “ children recommended sent home,	2
“ “ consultations with teachers,	5
“ “ Pediculosis,	460
“ “ Defective vision,	32
“ “ Eczema,	7
“ “ Syphilis,	1
“ “ Tachycardia,	1
“ “ Not vaccinated	8
“ “ Otitis,	4
“ “ Measles,	2
“ “ Mumps,	3
“ “ Chicken-pox,	1
“ “ Conjunctivitis,	4
“ “ Impetigo	2

Respectfully submitted,

A. H. MANDELL, M. D.

NEW BEDFORD, Jan. 1, 1904.

To the Board of Health:

GENTLEMEN — I herewith submit my report as medical inspector of schools:

Number of examinations made,	30,000
“ “ children recommended sent home,	113
“ “ Pediculosis,	1334
“ “ Acne,	2
“ “ Eczema,	27
“ “ Defective vision,	67
“ “ “ hearing,	20
“ “ Otitis,	12
“ “ Conjunctivitis,	18
“ “ Herpes,	96
“ “ Tinea,	62
“ “ Scabies,	2
“ “ Measles,	4
“ “ Defective speech,	6
“ “ Otalgia,	4
“ “ Tuberculosis,	2
“ “ Parotitis,	5
“ “ Not vaccinated,	369
“ “ Granulated eyelids,	27
“ “ Tonsillitis,	18
“ “ Filth,	10
“ “ Whooping cough,	2
“ “ Pharyngitis,	21
“ “ Rhus poisoning,	18
“ “ Urticaria,	1
“ “ Mental deficiency,	3
“ “ Impetigo,	5
“ “ Scarlet fever,	8
“ “ Rhinitis,	11
“ “ Cephalgia,	1
“ “ Alopecia. areata,	1
“ “ Curvature of spine,	1
“ “ Epilepsy,	1
“ “ Fracture of arm,	1
“ “ Blepharitis	1

Respectfully submitted,

F. C. GRAVES, M. D.

NEW BEDFORD, Jan. 1, 1904.

To the Board of Health :

GENTLEMEN — I herewith submit my report as medical inspector of schools :

Number of examinations,	17,000
“ “ children recommended sent home,	33
“ “ Pediculosis,	1284
“ “ Infected sores,	28
“ “ Scabies,	3
“ “ Tinea,	19
“ “ Otitis,	21
“ “ Epilepsy,	1
“ “ Pharyngitis,	1
“ “ Defective hearing,	1
“ “ Impetigo,	1
“ “ Blepharitis,	8
“ “ Rhinitis	22
“ “ Eczema,	17
“ “ Filth,	7
“ “ Defective vision,	4
“ “ Rhus poisoning,	3
“ “ Not vaccinated,	109
“ “ Soriasis,	1
“ “ Granulated lids,	1

Respectfully submitted,

J. F. WEEKS, M. D.

REPORT OF BACTERIOLOGIST.

For the year 1903.

Diphtheria.

Whole number taken,	401
Positive,	133
Negative,	243
Doubtful,	25

Doubtful cases include those of questionable character of bacilla present, cases where the culture medium was contaminated by an excessive growth of mould, and three instances where culture tubes were found broken.

Tuberculosis.

Number of tests taken,	47
Positive,	19
Negative	18

Typhoid fever,

Number examined for Widal Reaction,	2
Positive,	0
Negative,	2

Respectfully submitted,

CHAS. F. CONNOR, M. D.

MORTUARY REPORT, 1903.

[illegible]

MORTUARY REPORT, 1903. (Continued.)

CAUSE OF DEATH.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Drowning.....			1	1		2			2			1	7
Diarrhea.....							2	4	1	1		1	9
Dysentery.....								1	1				2
Enteritis.....	2	1		1	1	1	4	1	3	1	1	1	17
Enteritis gastro.....			1	1		1	11	16	9	4	3	1	47
Entero colitis.....			1	1				2	2	3	1		10
Embolism cer.....			1										1
Exposure.....			1										1
Exophthalmic goitre.....			1										1
Eclampsia.....						1	1						2
Eclampsia puerperal.....				1	1			1					3
Emphysema.....					1								1
Epilepsy.....						1			1				2
Fever typhoid.....	2	2	1	1	1	2	1	3	1	7	4	3	28
Fever scarlet.....	15	12	15	19	30	27	10	7	4	5	4		148
Fever puerperal.....											1		1
Fracture of skull.....	3						1		1	1			6
Fracture of spine.....								1					1
Fibroid tumor uterus.....											1		1
Gastritis.....	1			1				1			1		4
Gangrene.....			1					1			1		3
Gangrene of lung.....	1							1					2
Gangrene senile.....		1	1		1	1							4
Gastro duodenitis.....							1						1
Glottis oedema, of.....										1			1
Glottis spasm, of.....											1		1
Gunshot wound of brain.....										1			1
Gallstones.....											1		1
Heart disease.....	8	12	11	12	14	10	14	13	7	4	8	11	116
Hemorrhage.....	1		1			1					3		6
Hemorrhage intestinal.....			1						2	1	1		6
Hemorrhage pul.....	1		1		1				1			1	5
Hemorrhage umbilical.....	1												1
Hemorrhage uterine.....			1										
Hemiplegia.....	1		1										2
Hepatitis.....	1												1
Heat exhaustion.....							1						1
Hydrocephalus.....												1	1
Intestinal obstruction.....	1	1	3					1				1	7
Influenza.....		1	3			1							5

MORTUARY REPORT, 1903. (Continued.)

CAUSE OF DEATH.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Ileo colitis			1				1	2	2				6
Insanity				1									1
Injury at birth					1								1
Intestines, perforation of						1							1
Injuries multiple								1					1
Kidney disease	10	8	9	5	5	5	5	9	6	5	5	6	78
Laryngitis	1			1					1	1			4
Laryngismus strid	1		1		1		1						4
Lungs, congestion of		1		1	1								3
Lungs, oedema of	2	2	2				1					1	8
Lungs, perforation of			1										1
Lungs, empyema of							1						1
Liver disease												2	2
Liver, cirrhosis of		1					1					1	3
Meningitis	4	2	5	4	8	8	5	3	5		5	1	50
Meningitis cer	1		3	1		1	1	1				1	9
Meningitis spinal	1												1
Meningitis tub			1	1		1				2		3	8
Meningitis cerebro spinal							1	1					2
Myelitis				1									1
Measles				1									1
Malnutrition						1					1		2
Malaria							1						1
Natural causes	2	1			2	1		1		1		1	9
Old age	3	2	1	1	2		2	1			3		15
Pneumonia	33	20	19	13	15	12	11	5	5	9	12	15	169
Phthisis pul	7	12	8	9	16	11	7	7	8	13	11	8	117
Peritonitis	1	1	1		2	4	1	1	1		1	2	15
Paralysis	1		1	1	3				1	1	1	1	10
Premature birth		1	7		4	2	9	4		2	1	2	32
Pleurisy			2										2
Poisoning by illumin'ing gas				1									1
Poisoning by morphine				1									1
Purpura hemorrhagica				1				1				1	3
Pericarditis				1									1
Post partem hemorrhage						1	1		2				4
Paresis							2						2
Ptomaine poisoning									1				1
Rheumatism			1		1	2	1						5
Rachitis			2										2
Rectum, occlusion of						1							1
Rupture of uterus								1					1

MORTUARY REPORT, 1903. (*Continued.*)

CAUSE OF DEATH.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Suicide, cut throat.....	1	.	.	.	.	.	.	.	.	.	.	1	2
Suicide by poison.....	1	1	2
Suffocation	3	.	.	.	.	.	.	.	.	.	.	3
Septicaemia	2	.	2	1	3	3	1	.	.	.	12
Septicaemia puerperal.....	1	1	1	.	.	.	1	4
Shock after operation.....	2	.	.	.	.	.	.	.	2
Spina bifida	1	.	.	.	.	.	.	1
Shock from burn	1	.	.	.	1
Syphilis	1	.	.	.	1
Syphilitic gumma of brain.	1	.	.	.	1
Tetanus	1	.	.	.	.	.	1
Toxaemia	1	.	1	.	2
Tumor of stomach	1	.	.	1
Tumor abdominal.....	1	1
Tumor of brain	1	1
Ulcer of stomach	1	.	.	.	.	.	.	.	.	1
Ulcer gangrenous.....	1	.	.	.	.	.	.	.	1
Whooping cough	1	1	2	1	.	.	1	.	.	1	.	.	7

MORTUARY REPORT, 1903.

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Whole number of deaths	153	122	146	125	152	131	160	176	116	106	107	96	1590
Whole number of males	81	65	82	59	84	68	84	96	52	57	50	45	823
Whole number of females	72	57	64	66	68	63	76	80	64	49	57	51	767
Stillborn males	6	4	4	6	5	4	2	5	3	5	5	5	54
Stillborn females	5	5	4	5	4	6	2	3	2	3	4	3	46
Unknown sex	...	...	...	2	...	...	...	...	...	...	...	...	2

CASES OF CONTAGIOUS AND INFECTIOUS DISEASES.

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Small pox....	..	1	3	..	...	..	2	..	..	1	..	..	7
Scarlet fever..	67	50	61	60	123	83	24	25	33	33	11	4	574
Diphtheria ...	11	11	11	5	9	11	2	10	10	13	22	15	130
Measles	84	122	94	41	21	20	6	..	1	6	4	21	420
Typhoid fever	21	7	6	5	5	6	6	9	21	39	15	12	153

MORTUARY REPORT, 1903.

		Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Under 1 year	males....	18	8	18	18	20	16	36	47	23	19	14	7	244
	females..	16	14	15	8	15	10	31	29	26	8	16	10	198
1-2 years	males....	5	2	4	4	9	7	4	1	3	2	1	5	47
	females..	4	8	7	3	..	4	4	7	3	4	4	5	53
2-3 years	males....	4	5	7	3	2	6	6	4	..	1	3	..	41
	females..	2	4	3	5	2	3	2	..	3	1	1	..	26
3-4 years	males....	6	2	4	3	10	4	2	2	..	4	2	1	40
	females..	2	7	3	3	2	2	3	6	..	..	..	..	28
4-5 years	males....	1	4	2	3	1	4	2	..	1	..	1	1	20
	females..	2	..	2	2	1	..	2	..	5	2	2	..	18
5-10 years	males....	5	4	6	6	8	5	7	6	2	1	2	1	53
	females..	5	..	1	7	7	6	4	1	4	3	1	1	40
10-15 years	males....	1	1	2	..	4	2	2	1	..	..	1	3	17
	females..	1	..	1	1	2	2	1	2	..	1	..	1	12
15-20 years	males....	2	..	3	..	3	2	3	2	..	5	..	1	21
	females..	2	2	2	1	4	3	..	2	2	7	..	1	26
20-30 years	males....	8	4	5	4	5	5	2	6	4	7	4	5	59
	females..	2	1	2	3	6	8	3	3	5	2	6	7	48
30-40 years	males....	5	5	8	1	5	4	4	5	3	3	2	4	49
	females..	5	2	4	5	2	6	2	5	2	3	5	4	45
40-50 years	males....	5	6	3	5	2	3	..	4	4	4	6	3	45
	females..	5	3	3	1	2	2	2	6	3	..	3	2	32
50-60 years	males....	8	7	3	3	3	2	2	3	2	5	3	5	46
	females..	5	2	4	8	8	3	2	5	2	7	4	4	54
60-70 years	males....	2	7	9	1	6	1	6	5	2	4	6	2	51
	females..	5	9	5	9	4	7	6	8	6	6	8	8	81
70-80 years	males....	5	5	5	5	3	6	6	8	5	2	1	5	56
	females..	10	3	7	6	9	5	6	5	1	3	3	5	63
Ov'r 80 years	males....	6	5	3	3	3	1	2	2	3	..	4	2	34
	females..	6	2	5	4	4	2	8	1	2	2	4	3	43

Estimated population, 75,000.

Death rate per 1,000 inhabitants, 21.2,

Respectfully submitted,

SUSAN J. SMALL, Clerk.

NEW BEDFORD, Jan. 1, 1904.

To the Board of Health:

GENTLEMEN — I herewith submit my report for the year 1903.

Defective and filthy privies and vaults,	42
Defective water closets,	5
Defective and clogged sink drains,	15
Overflowing vaults and cesspools,	6
Defective plumbing,	4
Filthy yards and premises,	8
Complaints without cause,	20
Hen nuisances,	8
Pigs kept without a license,	5
Horses and goats kept in cellar,	2
Inspected locations to build barns,	6
Swill nuisances,	2
Ash barrel nuisances,	4
Filthy Cellars,	4
Water in cellars,	3
Filthy sandcatchers,	8
Manure piles removed,	3
Pigpen nuisances,	3
Fish market nuisances,	2
Inspected bakeries and posted notices,	34
Cards posted for contagious diseases,	472
Rooms fumigated	1660
Inspections made in tenements	38
School houses fumigated	41
Notices served	43
Complaints of nuisances,	135

Respectfully submitted,

WILLIAM E. MACOMBER,

Health Inspector.

NEW BEDFORD, Jan. 1, 1904.

To the Board of Health:

GENTLEMEN — I have the honor to submit the following report of the work performed by me as Inspector of Plumbing.

Number of permits issued 562.

Number of new buildings, 254

“ “ old buildings, 301

Number of fixtures placed in buildings:—

	New	Old
Sinks,	711	383
Water closets,	532	308
Wash bowls,	248	129
Bath tubs,	269	91
Wash trays,	27	19
Urinals,	6	2
Total number of fixtures,	1793	932

Respectfully submitted,

LOUIS H. RICHARDSON,

Inspector of Plumbing.

NEW BEDFORD, Jan. 1, 1904.

To the Board of Health :

GENTLEMEN — I have the honor to submit the following report as quarantine Physician for the year 1903.

Boarded 36 vessels arriving from foreign ports. None were detained in quarantine as there were no diseases of a contagious nature.

Respectfully submitted,

J. T. BULLARD, M. D.

Quarantine Physician.

REPORT OF THE BOARD OF PLUMBING
EXAMINERS.

NEW BEDFORD, Jan. 1, 1904.

To the Board of Health:

GENTLEMEN—During the year 1903, there were held (6) meetings. Six persons were examined for journeyman plumbers' licenses, only two passing the examination. Three who made application for a license, failed to appear at the examination.

Respectfully submitted,

WM. G. KIRSCHBAUM,	}	Board of Examiners.
EDMOND O'KEEFE,		
WM. DEACON,		

NEW BEDFORD, Jan. 1, 1904.

To the Board of Health:

GENTLEMEN:—The daily average collection of garbage during the past year has increased from 125 barrels in 1902 to 150 barrels daily in 1903, covering the same territory that was covered the latter part of 1902. The average weight per barrel is 300 pounds making a total daily collection of 45,000 pounds or a yearly collection, 310 days in a year, of 13,950,000 pounds.

The number dead horses and cows was 229.

Yours respectfully,

N. B. Product Co.,
ARTHUR E. PERRY,
Treasurer.

CITY OF NEW BEDFORD,
IN BOARD OF ALDERMEN,
Feb. 11, 1904.

Received, ordered printed in the City Documents,
and sent down for concurrence.

D. B. LEONARD, City Clerk.

IN COMMON COUNCIL,
Feb. 11, 1904.

Concurred.

W. H. B. REMINGTON, Clerk.

1904. CITY DOCUMENT. No. 8.

THE
ANNUAL FINANCIAL REPORTS
OF THE
CITY OF NEW BEDFORD
Massachusetts
FOR THE YEAR
1903.

NEW BEDFORD, MASS.
THE A. E. COFFIN PRESS, CITY PRINTERS,
1904.



THE
AUDITOR'S ANNUAL REPORT

OF THE

Receipts and Expenditures

OF THE

CITY OF NEW BEDFORD,
Massachusetts,

FOR THE YEAR 1903.

CITY OF NEW BEDFORD,
OFFICE OF THE CITY AUDITOR,
April 27, 1904.

To the Honorable, the City Council:—

GENTLEMEN:— I have the honor to submit herewith the annual report of the receipts and expenditures of the City of New Bedford for the financial year beginning on the first day of December, 1902, and ending on the sixth day of December, 1903; with a statement of the city debt, a schedule of the city property and the estimated value thereof, and other statements that have been deemed of interest.

Very respectfully,

CHARLES J. MCGURK,
City Auditor.

AUDITOR'S REPORT.

JAMES H. HATHAWAY, CITY TREASURER, IN ACCOUNT
WITH THE CITY OF NEW BEDFORD.

DR.

December 1, 1902. To balance of cash,		\$64,627.29
Appropriations general, taxes, 1903,	\$973,795.28	
“ “ “ 1902,	44,647.08	
“ “ “ 1901,	5,097.12	
“ special, bonds, 1903,	30,000.00	
“ “ “ 1902,	200,000.00	
Board of Health,	2.34	
Cemetery Board,	11,875.72	
Cemeteries, sale of lots,	6,509.00	
Com. of Mass., C. 79, R. L., burial of soldiers,	385.00	
“ “ “ “ military aid,	1,588.25	
“ “ “ “ state aid,	12,123.50	
Department of Wharves,	4,657.24	
Fire department,	641.55	
Free Public Library, dog fund,	1,656.13	
Free Public Library, Trustees of —		
James B. Congdon fund,	30.00	
George O. Crocker fund,	400.00	
Oliver Crocker fund,	60.00	
George Howland, Jr., fund,	96.00	
Sylvia Ann Howland fund,	3,000.00	
Charles W. Morgan fund,	60.00	
Charles L. Wood fund,	80.00	

Highways and Streets,	50,615.12	
New Bedford School Committee —		
Sylvia Ann Howland fund,	3,000.00	
Jonathan Bourne prize fund;	60.00	
New Bedford Water Works,	139,839.64	
Park Commission,	47.00	
Police department,	7,948.87	
Poor department,	10,963.63	
Public debt,	199,680.00	
Public Schools, dog fund,	1,656.13	
Real Estate Tax account,	32.22	
Sewers, general account,	18,376.23	
Sewer, Cottage Street No. 1,	26.49	
Sinking funds,	4,886.50	
Spraying trees,	8.98	
Sprinkling streets,	7.20	
Temporary loan,	1,368,000.00	
Unappropriated funds	141,491.44	\$3,243,343.66
		<u>\$3,307,970 95</u>

AUDITOR'S REPORT.

JAMES H. HATHAWAY, CITY TREASURER, IN ACCOUNT
WITH THE CITY OF NEW BEDFORD.

CR.

Appropriations, special, 1902, note,	\$60,000.00
Addition to Almshouse Kitchen,	1,661.45
Armories and Military property,	2,858.88
“ “ “ “ boat shelter,	411.53
Board of Assessors,	6,499.82
Board of Health,	35,683.71
“ “ contagious diseases,	4,882.19
Cemetery Board,	31,914.48
Cemeteries, sale of lots,	2,913.47
City Property,	18,610.93
“ “ portable schools,	4,523.43
Coggeshall Street Bridge,	45.86
“ “ “ repairs,	5,399.91
Com. of Mass., C. 79, R. L., burial of soldiers,	280.00
“ “ “ “ military aid,	3,282.54
“ “ “ “ soldiers' relief,	14,389.93
“ “ “ “ state aid,	12,425.85
Court judgments,	600.00
Department of Wharves,	5,672.41
“ “ City Wharf, extension,	9,085.39
Dredging Docks,	2,210.94
Elections,	4,868.13
Engineering Department,	10,577.55
“ “ tides investigation,	237.09
Fire Department,	86,390.52

Fourth of July celebration,	999 33
Free Public Library,	12,112.85
“ “ “ dog fund,	2,555.47
Free Public Library, Trustees of —	
George O. Crocker fund,	412.87
George Howland, Jr., fund,	268.38
Sylvia Ann Howland fund,	3,772.04
Charles W. Morgan fund,	81.33
Charles L. Wood fund,	142.64
Reading Rooms fund,	132.34
Highways and Streets,	225,009.97
Incidentals,	33,005.38
“ Memorial day,	875.00
Land Damages, layout of Linden Court,	300.00
“ “ - Penniman st.,	681.43
“ “ Reynolds st., No. 1,	600.00
“ “ Reynolds st., No. 2,	200.00
License Commission,	542.29
Lighting the Streets,	59,423.79
New Bedford School Committee —	
Sylvia Ann Howland fund,	2,336.14
Jonathan Bourne prize fund,	60.00
New Bedford Water Works,	167,727.73
“ “ “ “ further water	
supply,	3,178.40
Park Commission,	42,042.33
Parker Street School, alterations, etc.,	4,495.17
“ “ “ heating, etc.,	1,153.00
“ “ “ refurnishing,	1,366.08
Pingree plan,	1,213.09
Plans, etc., new high school,	23,772.87
Police Department,	122,180.02
Poor Department,	78,366.68
Printing, binding and stationery,	2,914.43
Public baths,	1,238.08
Public Debt,	401,110.91
Public Schools, dog fund,	3,658.84
“ “ incidentals,	73,987.90
“ “ pay of teachers,	180,687.23
“ “ repairs of buildings,	9,893.01
Real Estate Tax account,	41.12
Salaries of City Officers,	28,129.55
Sewers, general account,	31,996.78

AUDITOR'S REPORT.

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Sewer, Acushnet ave., No. 1,	967.22	
“ Acushnet ave., No. 2,	16.75	
“ Bay and Dartmouth streets,	49.92	
“ Belleville road,	8,462.05	
“ Bolton road,	266.77	
“ Chepatchet street,	2,629.08	
“ Cleveland street,	309.34	
“ Clinton street,	656.96	
“ Coggeshall street,	2,071.80	
“ Collette street,	2,954.83	
“ Cottage street, No. 1,	604.89	
“ Deane street,	4,261.90	
“ Devoll street,	632.74	
“ Maxfield street,	641.92	
“ McGurk street,	931.18	
“ North Front street,	1,424.80	
“ Phillips ave.,	560.03	
“ Reed street,	275.16	
“ Rockdale ave.,	1,131.31	
“ Ruth street,	159.61	
“ Shawmut ave., No. 1,	327.99	
“ Shawmut ave., No. 2,	394.53	
“ Tallman street,	1,597.64	
“ Tinkham street,	413.91	
Sinking funds,	115,091.50	
Spraying trees,	945.18	
Sprinkling streets,	7,035.81	
Temporary loan,	1,165,000.00	
Textile School,	8,000.00	
Women's Ward and Hospital, construction,	4,011.99	
“ “ “ “ heating, etc.,	1,173.00	\$3,181,090.29
City Treasurer, balance of cash,		126,880.66
		<u>\$3,307,970.95</u>

Expenditures in Detail.

APPROPRIATIONS, GENERAL, 1903.

DR.

Armories and military property,	\$3,000.00	
Board of assessors,	6,500 00	
Board of health,	35,000.00	
Cemetery board,	12,000.00	
City property,	10,000.00	
Coggeshall street bridge,	200.00	
Com. of Mass., C. 79, R. L., military aid,	1,600.00	
“ “ “ “ soldiers' relief,	12,000 00	
Elections,	4,500.00	
Engineering department,	10,000.00	
Fire department,	84,000.00	
Free public library,	12,000.00	
Highways and streets,	48,439.00	
Incidentals,	35,000.00	
License commission,	1,000.00	
Lighting the streets,	62,000.00	
New Bedford water works,	12,000.00	
Park commission,	25,000.00	
Pingree plan,	1,200.00	
Police department,	112,000.00	
Poor department,	60,000.00	
Printing, binding and stationery,	3,000.00	
Public baths,	1,000.00	
Public debt,	194,310.00	
Public schools, incidentals,	60,000.00	
“ “ pay of teachers,	84,139.00	
“ “ repairs of buildings,	8,000.00	
Salaries of city officers,	27,995.00	
Sewers, general account,	12,000.00	
Sinking funds,	107,505.00	\$1,045,388.00

AUDITOR'S REPORT.

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CR.

Receipts as per Treasurer's reports,	\$973,795.28	
December 7, 1903. Balance,	71,592.72	<u>\$1,045,388.00</u>

DR.

December 7, 1903. To balance,		<u>\$71,592.72</u>
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 APPROPRIATIONS, GENERAL, 1902.

DR.

December 1, 1902. To balance,		<u>\$67,144.15</u>
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CR.

Receipts as per Treasurer's reports,	\$44,647.08	
December 7, 1903. Balance,	22,497.07	<u>\$67,144.15</u>

DR.

December 7, 1903. To balance,		<u>\$22,497.07</u>
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 APPROPRIATIONS, GENERAL, 1901.

DR.

December 1, 1902. To balance,		<u>\$5,097.12</u>
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CR.

Receipts as per Treasurer's reports,		<u>\$5,097.12</u>
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APPROPRIATIONS, SPECIAL, 1903.

DR.

December 1, 1902. To balance,	\$362,814.89	
Note, Morgan lot,	60,000.00	<u>\$422,814.89</u>

CR.

Receipts as per Treasurer's reports,	\$200,000.00	
December 7, 1903. Balance,	222,814.89	<u>\$422,814.89</u>

DR.

December 7, 1903. To balance,	<u>\$222,814.89</u>
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APPROPRIATIONS, SPECIAL, 1903.

DR.

Armories and military property, boat shelter,	\$300.00
Board of health, contagious diseases,	3,283.25
Cemetery board,	8,000.00
City property,	8,000.00
Department of Wharves, City wharf extension,	30,000.00
Dredging docks,	3,000.00
Engine house, Reed and Kempton streets,	21,348.50
Fourth of July celebration,	1,000.00
Highways and Streets,	121,561.00
Isolation hospital,	27,724.00
Land damages, Penniman street,	693.00
“ “ Reynolds street, No. 2,	200.00
Park commission,	17,000.00
Parker street school, alterations, etc.,	3,427.57
Plans, etc., new high school,	23,772.87
Poor department,	8,000.00
Public schools, incidentals,	14,000.00
“ “ pay of teachers,	57,500.00
“ “ repairs of buildings,	3,000.00

AUDITOR'S REPORT.

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Sewers, General account,	5,000.00	
Sewer, Acushnet ave., No. 1,	700.00	
“ “ “ No. 2,	200.00	
“ Belleville road,	7,800.00	
“ Bolton road,	550.00	
“ Cleveland street,	217.16	
“ Clinton street,	650.00	
“ Coggeshall street,	2,200.00	
“ Collette street,	3,200.00	
“ Cottage street, No. 1,	750.00	
“ “ “ No. 2,	700.00	
“ Deane street,	1,800.00	
“ Devoll street,	600.00	
“ Hazard street,	800.00	
“ Maitland street,	400.00	
“ Maxfield street,	800.00	
“ McGurk street,	1,100.00	
“ North Front street,	1,300.00	
“ Phillips ave.,	1,200.00	
“ Reed street,	350.00	
“ Rockdale ave.,	1,275.00	
“ Ruth street,	159.61	
“ Shawmut ave., No. 1,	500.00	
“ “ “ No. 2,	450.00	
“ “ “ No. 3,	900.00	
“ Tallman street,	1,500.00	
“ Tinkham street,	400.00	
Spraying Trees,	1,000.00	
Sprinkling Streets,	8,375.00	
Textile School,	8,000.00	<u>\$404,686.96</u>

CR.

Receipts as per Treasurer's reports,	\$30,000.00	
By transfer from unappropriated funds,	89,995.13	\$119,995.13
December 7, 1903. Balance,		284,691.83
		<u>\$404,686.96</u>

DR.

December 7, 1903. To balance,	<u>\$284,691.83</u>
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ALMSHOUSE, KITCHEN ADDITION.

DR.

Michael Goggin,	\$426.45	
John V. O'Neil,	760.00	
A. A. Sanborn,	475.00	\$1,661.45
December 7, 1903. To balance,		619.99
		<u>\$2,281.44</u>

CR.

December 1, 1902. By balance,	<u>\$2,281.44</u>
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CR.

December 7, 1903. Balance,	<u>\$619.99</u>
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ARMORIES AND MILITARY PROPERTY.

DR.

Battery E, First Regiment, M. V. M., Armory :—

F. T. Akin & Co., fuel,	\$30.00	
D. Duff & Son, fuel,	10.75	
Joseph L. Gibbs, labor and material,	30.24	
F. B. Greene, agent, rent,	800.00	
“ “ heating,	65.00	
N. B. Gas & Edison Light Co., lighting,	446.54	
“ “ “ “ “ fixtures and		
repairs,	15.43	
Joseph S. Lewis, Jr., labor and material,	17.05	
John N. O'Brien, fuel,	12.00	
Wood, Brightman & Co., labor and		
material,	11.03	\$1,438.04

G. Co., Naval Brigade, M. V. M., Armory :—

F. T. Akin & Co., glazing,	\$5.80
Edwin B. Bates, services,	8.50
William P. Briggs, labor and material,	6.40

J. E. Craig, fuel,	1.00	
James Dowling, fuel,	2.00	
D. Duff & Son, fuel,	47.75	
T. M. Hart & Co., canvas and cordage,	14.30	
John J. Moore, services,	1.00	
N. B. Gas & Edison Light Co., lighting,	369.96	
“ “ “ “ “ fixtures and		
repairs,	7.74	
Proprietors of Lewis Hall, rent,	800.00	
Charles R. Sohlgren, services,	2.50	\$1,266.95

Rifle Range : —

Blossom Brothers, labor and material,	\$41.34	
F. S. Brightman Co., stickers,	10.05	
T. M. Hart & Co., flags,	2.25	
Hillman, Washburn & Co., stove and		
fittings,	16.50	
H. S. Hutchinson & Co., targets,	68.75	
Frederick Perry, services,	5.00	\$143.89

Miscellaneous : —

Kirby & Hicks, hacking,	\$5 00	
David Metthe, hacking,	5.00	\$10.00
		<u>\$2,858.88</u>
To transfer to balance,		141.12
		<u>\$3,000.00</u>

CR.

By appropriation,	<u>\$3,000.00</u>
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ARMORIES AND MILITARY PROPERTY,
BOAT SHELTER.

DR.

F. T. Akin & Co., paint supplies,	\$2.06	
Greene & Wood, lumber,	112.36	
T. M. Hart & Co., cordage and hardware,	10.73	
N. B. Boiler & Mch. Co., labor and material,	103.93	
Levi Ricketson, labor,	33 00	
Henry W. Tripp, labor and material,	149.45	<u>\$411.53</u>

CR.

By special appropriation,	\$300.00	
By transfers from "Unappropriated Funds,"	111.53	<u>\$411.53</u>

BOARD OF ASSESSORS.

DR.

Clerical help :—		
Pay rolls,		\$4,897.25
Carriage hire, tickets, etc. :—		
J. H. Finnell,	\$30.00	
Frank Monty,	10.00	
C. H. Murphy & Son,	23 00	
David Metthe,	3.00	
N. Y., N. H. & H. H. R. Co ,	70 00	
W. H. & L. F. Pierce,	10.00	
A. A. Sylvia,	10.00	
David Warren,	10.00	\$166.00
Stationery and supplies :—		
F. S. Blanchard & Co., Mass. Year Book,	\$3.00	
F. P. Bridges & Co., pens,	7.50	
F. S. Brightman Co., stationery,	58.18	
W. H. Collins & Co., ruling,	5.00	
L. L. Crane, pens,	2.95	
Globe-Wernicke Co., cards,	60.00	
W. A. Greenough & Co., directories,	8.00	
Library Bureau, cards,	27.50	
Sieber-Trussell Co., book,	1.05	
R. W. Taber, stationery, etc.,	9.62	\$182.80
Printing, binding and advertising :—		
E. Anthony & Sons, incorporated,	\$33.00	
A. E. Coffin Press,	1.75	
L'Independent Pub. Co.,	28.15	
Mercury Publishing Co.,	780.63	
Sullivan & Markey,	108.39	\$951.52

AUDITOR'S REPORT.

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Miscellaneous :—

F. T. Akin & Co., varnish, etc.,	\$1.45
A. M. Alger, probate copy,	.70
Asa L. H. Allen, frame,	.50
Automatic Tel. Co., service,	14.50
Bliss & Nye, sundries,	5.47
A. T. Brownell, sundries,	13.75
Chamberlain Metal Weather Strip Co.,	4.40
C. S. & B. Cummings, matches,	.70
De Wolf & Vincent, hardware,	1.92
John Duff, P. M., stamps,	22.00
Hammond Typewriter Co., supplies,	1.53
Hatch & Co., express,	2.00
Investor Pub. Co., subscription,	1.25
P. P. Jenney & Son, sharpening knives,	.28
C. H. & H. A. Lawton Co., soap, etc.,	2.01
J. J. Meaney, labor on counter,	112.30
National Pub. Co., map,	1.90
N. B. Gas & Edison Light Co., stock and labor,	10 24
A. P. Pope, carpentry,	38.28
Postal Tel. Co., message,	.43
Mortimer Searles, rubber stamp,	2.00
C. R. Sherman & Son, keys,	1.40
I. H. Sherman & Co., lunches,	9.30
T. H. Soule, repairing awning,	.75
So. Mass. Telephone Co., exchange service,	46.36
F. L. Sowle, drill, etc.,	2.20
R. R. Topham, expenses in Taunton,	3.00
C. F. Wing, carpet,	1.23
	<u>\$301.85</u>

\$6,499 82

.18

\$6,500.00

To transfer to balance,

CR.

By appropriation,

\$6,500.00

BOARD OF HEALTH.

DR.

Advertising:—

E. Anthony & Sons, Inc.,	\$7.33	
L'Independent Publishing Co.,	4.00	
Mercury Publishing Co.,	7.17	\$18.50

Chemical and medical supplies:—

Amyl-Kijo Chemical Co.,	\$8.40	
Browne Pharmacy,	1.75	
Frank M. Douglass,	793.37	
Fries Brothers,	80.00	
C. H. & H. A. Lawton Co.,	7 00	
H. K. Mulford Co.,	21.66	\$912.18

Collection of garbage:—

New Bedford Product Co.,	\$25,500.00	\$25,500.00
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Contagious diseases expenses:—

F. T. Akin & Co., fuel,	\$13.50	
A. M. Burns, groceries,	72.08	
N. B. Rubber Co., rubber goods,	2 50	
Seth A. Wilcox, agent, rent,	13.74	
J. & W. R. Wing & Co., clothing and furnishings,	\$1.15	\$102.97

Printing and stationery:—

E. Anthony & Sons, Inc.,	20.67	
F. S. Brightman Co.,	1.00	
A. E. Coffin Press,	109.35	
W. H. Collins & Co.	18.50	
Dennison Mfg. Co.	16.20	
H. S. Hutchinson & Co.,	4.37	
Robert W. Taber,	57.62	\$227.71

Salaries:—

Charles F. Connor, bacteriologist,	\$500.00
Frederick C. Graves, school inspector,	400.00
George F. Lewis, school inspector,	100.00
William E. Macomber, health officer,	1,003.75
A. H. Mandell, school inspector,	400 00
Alphonse Normandin, medical inspector,	416.70

AUDITOR'S REPORT.

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Louis H. Richardson, plumbing inspector,	1400.00	
Joseph P. St. Germain, school inspector,	500.00	
William C. Sheehy, medical inspector,	83 30	
Susan J. Small, clerk,	741.60	
J. Frank Weeks, school inspector,	400.00	\$5,945 35

Miscellaneous:—

F. T. Akin & Co., brush and paste,	\$.35
Almy & Hitch, awnings and labor,	9 00
Babbitt, Wood & Co., packing,	1.88
Bates & Kirby, office rent,	644.00
Bausch & Lomb Optical Co., apparatus,	18.87
R. G. Bennett, burial,	8.00
F. S. Blanchard & Co., year book,	3.00
Bliss & Nye, sundries,	.62
George Brown, labor,	12.50
E. A. Caswell, stenographer,	31.45
Chadwick & Co., supplies,	4.82
City Treasurer, expenses of Board,	106.30
Codman & Shurtleff, appliances,	.40
Coggeshall, Maxfield & Co., labor and sundries,	1.20
Anna W. Croacher, vaccinations,	602.25
A. B. Crowell, mounting mat,	1.00
William Deacon, inspector of plumbing,	40.32
William Deacon, services as examiner,	22.50
Robert N. B. Doane, services,	562.50
Frank M. Douglass, stamps,	24.00
Fries Brothers, apparatus and repairs,	11.00
Edgar H. Gammons, cleaning vault,	4.00
W. A. Greenough & Co., directory,	4.00
Handy Telephone Index Co., books,	1.75
Hatch & Co., express charges,	20.60
Journal of the Massachusetts Association of Boards of Health, subscription,	2.00
Kirby & Hicks, carriage hire,	39.50
William E. Macomber, services as janitor,	100.00
William E. Macomber, sundries,	9.15
A. D. McMullen, carting,	36.50
Mercury Publishing Co., subscription,	6.00
Mosher & Andrews, labor and material,	40.68
H. K. Mulford Co., apparatus and repairs,	27.52
National Publishing Co., map,	1.90

N. B. Gas & Edison Light Co., lighting,	9.80	
N. B. Gas & Edison Light Co., labor and sundries,	2.19	
N. B. Ice Co., ice,	6.25	
N. B. Rubber Co., gloves,	6.50	
N. B. Towboat Co., transportation,	307.00	
A. P. Pope & Co., labor and material,	2.40	
Louis Richardson, car tickets,	60.00	
John Rogers, burial,	10.00	
C. R. Sherman & Son, labor and sundries,	2.40	
Allen Smith, Jr., carting,	40.75	
So. Mass. Telephone Co., service and tolls,	78.71	
R. M. Starbuck, book,	.75	
Union St. Railway Co., tickets,	40.00	
Western Union Telegraph Co., service,	8.56	
C. F. Wing, furniture repairs,	.88	
Wood, Brightman & Co., pump,	1.25	\$2,977.00
		<hr/> \$35,683.71
To transfer to balance,		.52
		<hr/> \$35,684.23

CR.

By appropriation,	\$35,000.00	
Receipts as per Treasurer's reports,	2.34	
By transfer from unappropriated funds,	681.89	\$35,684.23

BOARD OF HEALTH, CONTAGIOUS DISEASES.

DR.

Bedding and furniture:—

N. B. Furniture Co.,	\$9.25	
C. F. Wing,	12.75	\$22.00

Chemicals and medical supplies:—

Charles H. Church,	\$1 68	
Cundall & White,	14.25	

AUDITOR'S REPORT.

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Frank M. Douglass	261.45	
Goddu & Lussier	1. 20	
C. H. & H. A. Lawton Co.,	.25	\$278.83

Clothing and furnishings:—

Ashley & Peirce,	\$211.92	
Leander Brightman,	55.30	
N. B. Rubber Co.,	3.70	
Nichols & Damon,	35.15	
Ruggles & Ellison	117.49	
J. & W. R. Wing & Co.,	14.50	\$438.06

Fuel:—

F. T. Akin & Co.,	\$5.25	
Denison Brothers Co.,	4.95	
John N. O'Brien,	11.85	
Poor department,	3.00	\$25.05

Groceries:—

Joseph Andre	63.76	
C. H. Brownell & Son,	45.14	
A. M. Burns,	29.40	
Chadwick & Co.,	9.65	
Aldege Chausse,	91.18	
Joseph Chausse,	298.71	
Central Union Association,	2.32	
D. B. Folger,	11.82	
Benjamin Hebert,	96.26	
Herbert W. Hirst,	28.15	
Alphonse Keroack,	46.28	
Lacroix Brothers,	86.90	
Adhenar Methe,	3.62	
Napoleon Nolin,	94.38	
Joseph P. Ponte,	79.35	
William Whittaker, Jr.,	72.50	\$1,059 42

Hospital furnishings and supplies:—

F. T. Akin & Co.,	\$116.90	
Bliss & Nye,	13.99	
Chadwick & Co.,	557.85	
Coggeshall, Maxfield & Co.,	10.92	
DeWolf & Vincent,	6.47	
Joseph P. Kennedy,	13.50	

Knight & Thomas,	16.00	
C. G. & G. A. Randall,	2.54	
Stephen P. Sawyer,	5.50	
R. W. Taber,	2.50	
Charles F. Wing,	3.70	
Wood, Brightman & Co.,	2.75	\$752.62

Labor and Nursing:—

Nettie Beaugeous,	\$18.00	
George Brown,	252.08	
Mary E. Frates,	12.00	
George P. Healey,	257.17	
George G. Joy,	50.00	
Theresa J. Lyons,	316.33	
Isaac D. Sampson,	223.75	\$1,129.33

Police service:—

Police department:—	\$817.75	\$817.75
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Physicians' fees,

Edmund F. Cody,	\$60.00	
Anna W. Croacher,	12.00	
Alphonse Normandin,	10.00	
L. Z. Normandin,	22.05	
James F. Sullivan,	27.00	
Edward T. Tucker,	46.00	\$177.05

Rents:—

Margaret Barlow,	6.29	
Mary Caton,	9.00	
Mary M. Cook,	12.00	
P. J. Driscoll, Agent,	40.00	
J. B. Gaucher,	4.00	
F. Hamel,	6.00	
F. X. F. Normandin,	19.50	
L. Z. Normandin,	18.98	
Napoleon Nolin,	16.50	\$132.27

Miscellaneous:—

Kirby & Hicks, carriage hire,	\$2.00
Phaneuf & Son, horse feed,	2.32

AUDITOR'S REPORT.

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Allen Smith, Jr., horse and carriage hire,	17.00	
So. Mass. Telephone Co., service,	28.49	\$49.81
		<hr/>
		\$4,882.19
Transfer to balance,		\$24.19
		<hr/>
		\$4,906.38

CR.

By special appropriation,	\$1,623.13	
By transfers from " Unappropriated Funds "	3,282.25	\$4,906.38

CEMETERY BOARD.

DR.

Pay rolls:—

Oak Grove cemetery,	\$9,617.87	
Pine Grove cemetery,	687.60	
Rural cemetery	12,465.18	
Office,	530.00	\$23,300.65

Advertising, printing and stationery:—

F. S. Brightman & Co.,	32.01	
A. E. Coffin Press,	341.69	
W. H. Collins & Co.,	86.00	
H. S. Hutchinson & Co.,	20.81	
Library Bureau,	16.90	
Herbert Marr,	5.90	
F. H. Purrington,	30.25	
Suffolk Engraving and Electrotyping Co.,	37.32	
Sullivan & Markey,	22.00	
Robert W. Taber,	22.97	\$615.85

Cinders, loam and sod:—

William P. Butler,	3.87	
H. L. Donaghy,	25.00	
James Duddy,	40.00	
David Ferguson,	37.00	

Highways and streets,	7.82	
J. W. Manchester,	7.11	
John A. Smith,	139.00	
Alexander A. Tripp,	42.80	\$302.60

Dressing:—

H. T. Borden & Co.,	\$15.08	
James Burke,	156.30	
John Connors,	42.49	
Albert L. Cox,	111.60	
James Duddy,	173.43	
Fred M. Hammer,	1.57	
Thomas Hersom & Co.,	10.50	
Russell S. Lawton,	16.79	
E. L. Potter,	9.88	
Joseph L. Sylvia,	74.04	
Charles W. Wordell,	12.24	\$623.92

Hardware, tools and fitting:—

Acushnet Iron Co.,	\$32.00	
Bliss & Nye,	15.15	
James Burke,	10.00	
William P. Butler,	57.56	
George A. Cobb,	2.85	
W. F. Desmond,	10.85	
DeWolf & Vincent,	94.21	
H. L. Donaghy,	31.35	
Crawford L. Dunham,	8.90	
Jonathan Handy Co.,	22.76	
T. M. Hart & Co.,	20.50	
George E. Hatch,	27.60	
N. P. Hayes,	228.81	
Hillman, Wasburn & Co.,	103.15	
Perry P. Jenney & Son,	61.35	
S. C. Lowe Supply Co.,	80.90	
John McCue,	13.19	
E. D. Mosher,	7.00	
C. W. H. Moulton & Co.,	11.25	
D. F. Murphy,	.75	
N. B. Rubber Co.,	51.80	
L. V. Parker,	4.20	
E. F. Penney	7.85	
George W. Randall,	8.00	

AUDITOR'S REPORT.

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C. R. Sherman & Son,	.75	
Julius C. Sylvia,	59.23	
E. C. Taber,	6.10	
Charles H. Vinal,	10.60	\$988.66

Plants, seeds and shrubs:—

W. Atlee Burpee & Co.,	9.80	
Henry A. Dreer,	9.87	
R. & J. Farquhar & Co.,	6.07	
J. Frank Kirk,	28.00	
Providence Seed Co.,	40.35	
W. P. Rogers,	1.50	
A. H. Wordell,	5.55	\$101.14

Salaries:—

Charles F. Cornell, superintendent,	\$1,200.00	
Pardon A. Macomber, clerk,	939.00	
Nelson L. Pike, sexton,	720.00	
Hurlbert E. Thomas, sexton,	720.00	\$3,579.00

Stock and labor:—

W. F. Desmond,	185.10	
Crawford L. Dunham,	57.52	
G. L. Hammond,	5.40	
S. C. Lowe Supply Co.,	2.96	
N. B. Water Works,	3.19	
E. F. Penney,	3.78	
S. T. Rex,	45.85	
Hiram C. Tripp,	5.90	
William R. West,	11.00	
Wood, Brightman & Co.,	25.88	\$346.58

Supplies:—

F. T. Akin & Co.,	\$4.30	
Bliss & Nye,	18.77	
William P. Butler,	15.97	
C. F. Cushing,	2.90	
Denison Brothers Co.,	20.00	
DeWolf & Vincent,	12.70	
David Duff & Son,	123.03	
C. L. Dunham,	.60	
Henry A. Dreer,	3.50	
George A. Eggers,	16.60	

T. M. Hart & Co.,	133.74	
Thomas Hersom & Co.,	1.00	
C. E. Higham,	20.30	
Highways and Streets,	.65	
Albert W. Holmes,	10.00	
C. H. & H. A. Lawton Co.,	.25	
John McCue,	1.00	
N. B. Ice Co.,	26.06	
Charles S. Paisler,	589.74	
A. W. Perkins & Co.,	87.30	
William F. Sturtevant,	19.65	
E. C. Taber,	9.29	
William R. West,	27.55	
Charles F. Wing,	1.75	\$1,146.65

Miscellaneous:—

James T. Almy, badge repairs,	.65	
Automatic Telephone Co., service,	45.50	
F. S. Blanchard & Co., year book,	3.00	
William P. Briggs, badges,	51.00	
David A. Cobb, labor,	5.00	
George A. Cobb, labor,	5.50	
C. A. Gray & Co., freight and carting,	16.65	
W. A. Greenough & Co., directories,	12.00	
T. M. Hart & Co., flags,	16.00	
Perry P. Jenney & Son, settees,	42.00	
P. A. Macomber, disbursements,	59.05	
John McCue, curbing,	62.26	
Merchants National Bank, rent of office,	300.00	
N. B. Gas & Edison Light Co., labor and fittings,	10.99	
N. B. Gas & Edison Light Co., lighting,	15.73	
George H. Nye, photographs,	4.00	
Edward M. Peirce, use of wagon,	3.00	
Samuel A. Percy, frame,	3.50	
E. G. Reynolds, carriage hire,	2.00	
Mortimer Searles, rubber stamp,	1.50	
Sherman & Perry, carriage hire,	11.00	
So. Mass. Telephone Co., service,	29.20	
E. G. Spooner, stone,	9.00	
D. J. Sullivan, clock and repairs,	11.00	
Charles H. Thomas, labor,	9.00	
E. M. Tilton, labor,	1 50	

AUDITOR'S REPORT.

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Union Street Railway Co., car tickets,	160.00	
Weston C. Vaughan, Jr., box,	3.50	
E. T. Wilson & Co., boxes,	15.50	
Charles F. Wing, repairs,	.40	\$909.43
		<u>\$31,914.48</u>

CR.

By appropriation,	\$12,000.00	
By special appropriation,	8,000	
Receipts as per Treasurer's reports,	11,875.72	\$31,875.72
Transfer to balance,		38.76
		<u>\$31,914.48</u>

CEMETERIES, SALE OF LOTS.

DR.

Pay rolls :—

Oak Grove cemetery,	\$662.71	
Rural cemetery,	777.50	\$1,440.21

Cinders, loam and sod :—

H. T. Borden & Co.,	\$40.00	
Henry T. Bulman,	54.50	
William P. Butler,	3.70	
David Duff & Son,	24.00	
Highways and Streets,	91.46	
A. A. Tripp,	88.50	\$302.16

Dressing :—

Fred M. Hammer,	\$7.98	
Leonard Keen, Jr.,	11.53	
A. A. Tripp,	5.00	\$24.51

Hardware and tools :—

Acushnet Iron Co.,	\$18.00	
Bliss & Nye,	33.00	

William P. Butler,	4.80	
De Wolf & Vincent,	8.50	
Crawford L. Dunham,	155.25	
R. & J. Farquhar & Co.,	1 80	
N. B. Rubber Co.,	70.00	\$291.35
Plants, seeds and shrubs : —		
Bobbink & Atkins,	\$51.65	
William S. Brown,	5.00	
George H. Chase,	2.00	
Elizabeth Nursery Co.,	129.60	
Edward S. Haskell,	2 00	
William F. Kasting,	3.00	
J. Frank Kirk,	14.40	
Providence Seed Co.,	2.75	
John F. Wood,	5.00	\$215.40
Stock and labor : —		
C. L. Dunham,	\$1.05	
D. L. Hathaway & Son,	95 95	
N. B. Boiler & Machine Co.,	71.94	
E. F. Penney,	49.31	\$218.25
Supplies : —		
William P. Butler,	\$3.45	
Denison Brothers Co.,	139.73	
De Wolf & Vincent,	2.40	
David Duff & Son,	116.92	
George Kirby, Jr., & Co.,	16.21	\$278.71
Miscellaneous : —		
F. S. Brightman & Co., paper and cutter,	\$4.93	
C. A. Gray & Co., freight and carting,	12.84	
A. H. Hews & Co., flower pots and pans,	59.73	
Jesse B. Kimes, path markers,	64.00	
N. Y., N. H. & H. R. R. Co., freight,	1 38	\$142 88
		\$2,913.47
December 7, 1903. To balance,		4,459.73
		<u>\$7,373.20</u>
CR.		
December 1, 1902. By balance,	\$864.20	
Receipts as per Treasurer's reports,	6,509.00	\$7,373.20

AUDITOR'S REPORT.

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CR.

December 7, 1903.	Balance,	\$4,459.73
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CEMETERY FUNDS.

CR.

December 7, 1903.	Balance,	\$26,734 93
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CITY PROPERTY.

Advertising :—

E. Anthony & Sons, inc.,	\$91.70	
Catholic Union Publishing Co.,	29.00	
Mercury Publishing Co.,	73.22	\$193 92

Almshouse :—

F. T. Akin & Co.,	\$35.15
Isaac L. Ashley,	12 00
Charles H. Brownell,	.60
A. E. Buffington,	2.50
Chamberlain Metal Weather Strip Co.,	195.30
Samuel H. Cook,	93.98
Thomas W. Croacher,	916.03
George J. Dodge,	1,280.50
Oliver H. Gardiner,	2 50
Gilman E. Hook,	750.38
Joseph P. Kennedy,	24.00
John McNeal,	2.50
Miller & Hook,	194 68
T. J. Moriarty,	466.67
John N. Morris,	1,722.55
N. B. Gas & Edison Light Co.,	274.16
John V. O'Neil,	1,379.27
Charles S. Paisler,	78.05
E. F. Penney,	725.08

A. W. Perkins & Co.,	81.12	
William H. Rankin,	2,056.18	
A. A. Sanborn,	182.50	
Sherman & Perry,	5.00	\$10,480.70

City Hall : —

F. T. Akin & Co.,	\$2.75	
Bliss & Nye,	5.13	
F. S. Brightman Co.,	.40	
William Cronin & Co.,	1 25	
De Wolf & Vincent,	.95	
George J. Dodge,	46.65	
Edward S. Haskell,	101.19	
Highways and Streets,	54.66	
Jenney & Buffington,	10 82	
N. B. Gas & Edison Light Co.,	1.80	
N. B. Rubber Co.,	9 00	
E. F. Penney,	15.71	
W. H. Rankin,	30.91	
George D. Richards,	1.00	
F. R. Slocum Co.,	387.50	
James H. Warren,	85.00	
Charles F. Wing,	.10	\$754.82

Fire stations : —

L. J. Damon,	\$292.85	
George J. Dodge,	225 37	
James J. Donaghy,	48.00	
Greene & Wood,	4.85	
Highways and Streets,	35.53	
Walter Martin,	617.00	
J. L. G. Mason,	28.89	
J. J. Meaney,	5.88	
Edward Murphy,	25.06	
N. B. Gas & Edison Light Co.,	9.87	
E. F. Penney,	5.90	
A. W. Perkins & Co ,	89.08	
William F. Sturtevant,	23.85	\$1,412.13

Library building : —

F. T. Akin & Co.,	.40	
F. S. Brightman Co.,	108.50	
William P. Briggs,	3.60	

Chamberlain Metal Weather Strip Co.,	29.55	
De Wolf & Vincent,	10.00	
George J. Dodge,	176.70	
E. M. Durfee,	3.70	
Faunce & Johnson,	39.09	
Edward S. Haskell,	148.45	
George E. Hatch,	15.32	
N. P. Hayes,	6.45	
Highways and Streets,	19.01	
Hillman, Washburn & Co.,	1.50	
Jenney & Buffington,	15.68	
J. L. G. Mason,	9.76	
N. B. Boiler & Machine Co.,	8.00	
N. B. Gas & Edison Light Co.,	61.82	
N. B. Rubber Co.,	14.00	
Packard Hardware Co.,	6.39	
E. F. Penney,	31.60	
A. W. Perkins & Co.,	83.34	
A. P. Pope & Co.,	69.91	
William H. Rankin,	.60	
George W. Shaw, agent,	30.00	
Wood, Brightman & Co.,	3.09	\$896.46

Police stations :—

Chace & Hirst,	\$68.34	
Chamberlain Metal Weather Strip Co.,	161 58	
George J. Dodge,	191 94	
General Sewers,	22.48	
Patrick R. Herrity,	3.60	
Jenney & Buffington,	175.18	
F. A. Kempton heirs,	25.00	
Walter Martin,	42 10	
Edward Murphy,	649.06	
N. B. Gas & Edison Light Co.,	23.34	
John V. O'Neil,	11.74	
Edward F. Penney,	67.86	
Francis Thorley,	30.77	
James H. Warren,	125.00	\$1,597.99

School buildings :—

Edward G. Davis,	\$2,120 15	
General Sewers,	1.94	
Thomas Hersom & Co.,	49.50	

Highways and Streets,	647.80	
J. W. Manchester,	210.00	
Joseph H. Sullivan,	22.00	\$3,051.39
Ward rooms :—		
David Kempton, 2nd heirs,	\$37.50	
N. B. Gas & Edison Light Co.,	1.05	
E. F. Penney,	17.50	\$56.05
Wood and coal yard :—		
John J. Meaney,	\$89.34	\$89.34
City clock :—		
George J. Dodge,	\$78.13	\$78.13
		<u>\$18,610.93</u>

CR.

By appropriation,	\$10,000.00	
By special appropriations,	8,000.00	
By transfer from unappropriated funds,	387.50	
Transfer, to balance,	223.43	<u>\$18,610.93</u>

CITY PROPERTY, POLLING PLACE REPAIRS.

CR.

By transfer from unappropriated funds,	<u>\$200.00</u>
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CR.

December 7, 1903. Balance,	<u>\$200.00</u>
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CITY PROPERTY, PORTABLE SCHOOL- ACCOUNT.

DR.

E. Anthony & Sons, advertising,	\$5.50	
C. H. Brownell, chairman, expenses,	17.00	
Chamberlain Metal Weather Strip Co., strips,	113.97	
S. C. Hunt, plans, etc.,	151.58	
Mercury Publishing Co., advertising,	4.38	
Francis Thorley, contractor,	4,231.00	\$4,523.43
December 7, 1903. To balance,		1,176.57
		<u>\$5,700.00</u>

CR.

December 1, 1902. By balance,	<u>\$5,700 00</u>
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CR.

December 7, 1903. Balance,	<u>1,176.57</u>
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CITY PROPERTY, SPECIAL HIGH SCHOOL COMMITTEE.

CR.

December 1, 1902. By balance,	<u>\$1,479 05</u>
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CR.

December 7, 1903. Balance,	<u>\$1,479.05</u>
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COGGESHALL STREET BRIDGE.

DR.

Pay rolls : —		\$17.21
Greene & Wood, lumber,	\$25.87	
Highways and streets, stock, labor and teaming,	1.53	
Henry F. West, boat hire,	1.25	28.65
		<hr/> \$45.86
To transfer to balance,		154 14
		<hr/> \$200.00

CR.

By appropriation,	\$200.00
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COGGESHALL STREET BRIDGE REPAIRS.

DR.

Pay rolls : —		\$1,439.53
E. Anthony & Sons, Inc., advertising,	\$3.30	
Babbitt, Wood & Co., rubber,	.38	
Peter Black, rigging,	1.00	
William F. Desmond, lumber,	2,623.25	
De Wolf & Vincent, hardware and tools,	14.75	
J. B. Dion, hardware and tools,	112.75	
Frost & Adams, steel tape,	3.92	
Greene & Wood, lumber,	401.92	
Jonathan Handy Co., hardware,	.73	
T. M. Hart & Co., boat fittings,	3.24	
George E. Hatch, oil cans,	2.00	
Hatch & Co., express charges,	1.50	
Charles R. Hathaway, saw,	2.00	
N. P. Hayes, saws,	.65	
Highways and Streets, stock, labor and teaming,	490.22	
Hillman, Washburn & Co., casters,	.50	
George Kirby, Jr., & Co., paint supplies,	270.54	

AUDITOR'S REPORT.

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Mercury Publishing Co., advertising,	2.90	
N. B. Emergency Hospital, services,	12.00	
A. W. Perkins & Co., cart hire,	1.88	
A. W. Perkins & Co., supplies,	1.85	
Slocum & Kilburn, tools,	.60	
Frank S. Tripp, labor,	8.50	\$3,960.38
		<hr/>
		\$5,399.91
To transfer to balance,		100.09
		<hr/>
		\$5,500.00
		<hr/>
CR.		
December 1, 1902. By balance,		\$5,500.00
		<hr/>

COMMONWEALTH OF MASSACHUSETTS,
CHAPTER 79, REVISED LAWS,
BURIAL OF SOLDIERS.

DR.

December 1, 1902. To balance,		\$371.75
Robert G. Bennett,	\$105.00	
T. J. Murphy,	70.00	
E. T. Wilson & Son,	70.00	
Weston C. Vaughan, Jr.,	35.00	\$280.00
		<hr/>
		\$651.75
		<hr/>

CR.

Receipts as per Treasurer's reports,	\$385.00	
December 7, 1903. Balance,	266.75	\$651.75
		<hr/>

DR.

December 7, 1903. To balance,		\$266.75
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COMMONWEALTH OF MASSACHUSETTS,
CHAPTER 79, REVISED LAWS,
MILITARY AID.

DR.

December 1, 1902. To balance,	\$1,559.66	
Disbursements by City Treasurer,	3,282.54	\$4,842.20

CR.

By appropriation,	\$1,600.00	
Receipts as per Treasurer's reports,	1,588.25	\$3,188.25
December 7, 1903. Balance,		1,653.95
		<u>\$4,842.20</u>

DR.

December 7, 1903. To balance,	\$1,653.95
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COMMONWEALTH OF MASSACHUSETTS,
CHAPTER 79, REVISED LAWS,
SOLDIERS' RELIEF.

DR.

F. T. Akin & Co., fuel,	\$31.30
Ashley & Peirce, clothing and furnishings,	42.40
H. A. Blackmer, silk hose,	3.50
H. T. Borden & Co., fuel,	8.00
Boston Beef Co., provisions,	756.00
C. H. Brownell & Son, groceries,	204.00
John T. Bullard, M. D., services,	2.00
Church & Hammond, medicines,	19.50
City Treasurer, cash disbursements,	12,080.11
John E. Craig, fuel,	2.00
Denison Bros. Co., fuel,	501.30
Driscoll, Church & Hall, groceries,	66.00

AUDITOR'S REPORT.

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David Duff & Son, fuel,	35.50	
D. B. Folger, groceries,	117.00	
Albert W. Holmes, fuel,	58.30	
N. Y., N. H. & H. R. R. Co., transportation,	5.10	
J. Henry Peirce, agent, fuel,	5.00	
Wm. F. Potter & Co., groceries,	15.00	
Elmer E. Robbins, M. D., services,	14.00	
William C. Sheehy, M. D., services,	42.00	
Taunton Insane Hospital, board,	338.92	
D. K. Tripp, groceries,	39.00	
Union Boot & Shoe Co., shoes,	4.00	<u>\$14,389.93</u>

CR.

By appropriation,	\$12,000.00	
By transfer to balance,	2,389.93	<u>\$14,389.93</u>

COMMONWEALTH OF MASSACHUSETTS,
CHAPTER 79, REVISED LAWS,
STATE AID.

DR.

December 1, 1902. To balance,	\$11,043.03	
Disbursements by City Treasurer,	12,425.85	
		<u>\$23,468.88</u>

CR.

Receipts as per Treasurer's reports,	\$12,123.50	
December 7, 1903. Balance,	11,345.38	
		<u>\$23,468.88</u>

DR.

December 7, 1903. To balance,	<u>\$11,345.38</u>
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COURT JUDGMENTS.

DR.

Joanna Lacy,	\$400.00	
Sylvester Lacy,	200.00	\$600.00

CR.

By transfer to balance,		\$600.00
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DEPARTMENT OF WHARVES.

DR.

Commissioners of Sinking Funds,	\$1,040.00	
Charles E. Davis, cleats,	18.00	
Charles E. Davis, labor and material,	300.00	
Joseph Donaghy, wharfinger,	390.48	
Jonathan Handy Co., hardware,	3.32	
Highways and Streets, block paving,	479.26	
Highways and Streets, carting,	1.69	
John McCullough, chain,	4.50	
Dennis Mahoney, wharf piles,	66.00	
N. B. Fire Department, hose,	12.00	
N. B. Gas & Edison Light Co., lighting,	29.04	
N. B. Water Works, labor and material,	32.75	
N. B. Water Works, metered water,	52.31	
Public debt, interest,	2,680.00	
Frank C. Taylor, repairs,	561.38	
Wood, Brightman & Co., pipe fittings,	1.68	\$5,672.41
December 7, 1903. To balance,		1,633.88
		<u>\$7,306.29</u>

CR.

December 1, 1902. Balance,	\$2,649.05	
Receipts as per Treasurer's reports,	4,657.24	\$7,306.29

CR.

December 7, 1903. Balance,		<u>\$1,633.88</u>
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DEPARTMENT OF WHARVES, EXTENSION AND IMPROVEMENT OF CITY WHARF.

DR.

Pay rolls: —		\$213.79
E. Anthony & Sons, Incd., advertising,	\$16.00	
Charles E. Davis, contractor,	8,666.40	
Charles E. Davis, labor and material,	100.00	
Mercury Publishing Co., advertising,	11.67	
N. B. Boiler & Machine Co., pipe,	68.68	
N. B. Gas & Edison Light Co., tar,	4.85	
William F. Williams, engineer, expenses,	4.00	\$8,871.60
		<u>\$9,085.39</u>
December 7, 1903. To balance,		20,914.61
		<u>\$30,000.00</u>

CR.

By special appropriation,	<u>\$30,000.00</u>
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CR.

December 7, 1903. Balance,	<u>\$20,914.61</u>
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DREDGING DOCKS.

DR.

C. M. Cole, contractor,	\$2,210.94	
December 7, 1903. To balance,	789.06	\$3,000.00

CR.

By special appropriation,	<u>\$3,000.00</u>
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CR.

December 7, 1903. Balance,	<u>\$789.06</u>
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ELECTIONS.

Dr.

Advertising : —

E. Anthony & Sons, Incd.,	\$421.54	
Archembault Brothers,	106.45	
Bartholo & Co.,	70.35	
Catholic Union Publishing Co.,	281.00	
Correio Portuguez,	68.25	
L'Independant Publishing Co.,	266.85	
Mercury Publishing Co.,	340.05	
Times Publishing Co.,	285.70	\$1,840.19

Carriage hire : —

Isaac L. Ashley,	\$9.00	
Charles R. Cornell,	6.00	
Kirby & Hicks,	31.00	
C. H. Murphy & Son,	9.00	
W. H. & L. F. Peirce,	6.00	
E. G. Reynolds,	9.00	
William D. Richards,	6.00	
Sherman & Perry,	6.00	
Allen Smith, Jr.,	9.00	
A. A. Sylvia,	9.00	\$100.00

Clerical services : —

Charles T. Heron,	\$5.00	
Edwin B. Jourdain,	5.00	
Rodolphus A. Swan,	5.00	\$15.00

Fitting polling places : —

William Brown,	\$2.25	
Charles L. Faunce, agent,	22.60	
Faunce & Johnson,	55.25	
Patrick Featherstone,	14.50	
James Henson,	3.00	
John J. Meaney,	21.35	
A. P. Pope & Co.,	44.15	
Joseph Sullevy,	8.55	\$171.65

Pay of precinct officers : —

Municipal election,	\$643.00	
State election,	645.00	\$1,288.00

AUDITOR'S REPORT.

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Printing, binding and stationery :—

A. E. Coffin Press,	.85	
Mercury Publishing Co.,	1,017.36	
Sullivan & Markey,	13.50	\$1,031.71

Refreshments :—

Albion T. Brownell,	\$4.95	
E. B. Sherman & Co.,	9.05	
I. H. Sherman & Co.,	8.20	
F. H. Winship,	8.80	
T. A. Vokes,	1.75	\$32.75

Rents :—

H. K. Haskins,	\$60.00	
L. I. Jenkins,	25.00	
David Kempton, 2nd, heirs,	37.50	\$122.50

Miscellaneous :—

Church & Hammond, soap,	.45	
Coffin Brothers, repairing boxes,	29.45	
C. S. & B. Cummings, matches,	.20	
C. F. Cushing, key pockets,	5.00	
George J. Dodge, fitting boxes,	2.00	
John A. Gomley, carting,	40.00	
Highways and Streets, carting,	1.36	
N. B. Gas & Edison Light Co., labor and lighting,	36.68	
John Notter, fuel,	3.20	
E. F. Penney, use of stoves,	4.00	
C. B. Piper, services,	49.00	
Robert S. Robson, services,	49.65	
Mortimer Searles, stamp,	1.00	
F. R. Slocum Co., rent of furniture,	5.50	
So. Mass. Telephone Co., service,	34.96	
Charles F. Wing, rent of furniture,	3.88	\$266.33
		<u>\$4,868.13</u>

CR.

By appropriation,	\$4,500.00	
Transfer to balance,	368.13	<u>\$4,868.13</u>

ENGINEERING DEPARTMENT.

DR.

Pay rolls :—

\$8,187.33

F. T. Akin & Co., labor and material,	\$16.77
Edwin Allen, express charges,	.60
Gilbert Almy, travelling expenses,	3.00
Almy & Hitch, labor,	5.00
E. Anthony & Sons, Incd., printing,	1.58
A. V. Benoit, paper,	20.00
John F. Borden, services,	3.00
William P. Briggs, hardware,	.95
C. O. Brightman, labor and material,	53.39
F. S. Brightman Co., books and paper,	41.13
Chamberlain Metal Weather Strip Co., weather strips,	10.95
A. E. Coffin Press, printing,	23.85
W. H. Collins & Co., binding, books and paper,	66.25
C. S. & B. Cummings, office supplies,	6.37
Annie C. Desmond, typewriting,	5.00
Thomas Donaghy, tubing,	.40
Draper Mfg. Co., ink,	1.00
F. W. Emerson Mfg. Co., frame and pad,	20.00
Engineering News Publishing Co., subscription,	3.50
Julian P. Fries, blank forms,	17.00
Frost & Adams Co., books and stationery,	10.73
Arthur W. Gardiner, travelling expenses,	2.65
Harriet H. Gilman, rent and lighting,	754.43
Globe-Wernicke Co., filing case,	4.00
T. M. Hart & Co., twine,	.21
Haskell & Tripp, cloth,	1.10
Hatch & Co., express,	16.85
L. J. Hathaway, Jr., silk cover,	1.15
N. P. Hayes, hardware,	7.06
Highways and Streets, stock, labor and teaming,	4.23
H. S. Hutchinson & Co., books and stationery,	6.66
Perry P. Jenney, labor and material,	1.45
William L. Kelley, repairing gauge,	2.50

AUDITOR'S REPORT.

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Keuffel & Esser Co., instruments and stationery,	22.66	
Joseph H. Lawrence, steel pins,	1.75	
Library Bureau, index cards,	26.65	
James E. Moody, instrument repairs,	9.40	
National Publishing Co., map,	1.90	
N. B. Boiler & Machine Co., labor and material,	23.95	
N. B. Co-operative Express, charges,	.50	
N. B. Gas & Edison Light Co., lighting,	19.33	
N. B. Ice Co., ice,	15.15	
N. B. Steam Carpet Beating Est., cleaning,	.96	
N. B. Steam Laundry Co., towel laundry,	3.75	
N. Y., N. H. & H. R. R. Co., mileage,	100.00	
W. F. Nye, oil,	1.00	
Mercury Publishing Co., printing,	180.18	
The Pairpoint Corporation, tubing,	.50	
Perry Laundry Co., towel laundry,	1.80	
Remington Typewriter Co., ribbon,	5.35	
Levi Ricketson, labor,	29.00	
Mortimer Searles, stamps and pads,	3.15	
Sherman & Perry, carriage hire,	22.75	
C. R. Sherman & Son, sundries,	.20	
G. W. Smith, print paper,	9.00	
So. Mass. Telephone Co., service,	54.06	
So. Mass. Telephone Co., tolls,	21.55	
Spaulding Print Paper Co., supplies,	41.40	
H. W. Taber & Co., photographs,	1.80	
Robert W. Taber, stationery,	19.62	
Frank C. Taylor, services,	475.80	
Union Street Railway Co., car tickets,	100.00	
H. F. West, boat hire,	2.40	
W. U. Telegraph Co., service,	.91	
William F. Williams, expenses,	59.00	
Henry P. Willis, photograph supplies,	1.50	
Charles F. Wing, furnishings and repairs,	5.15	
Wood, Brightman & Co., labor and supplies,	8.84	
C. E. Woodworth, clock,	6.50	\$2,390.22
		<hr/> 10,577.55
To transfer to balance,		22.45
		<hr/> \$10,600.00

CR.

By appropriation,	\$10,000.00	
By transfer from unappropriated funds,	600.00	<u>\$10,600.00</u>

ENGINEERING DEPARTMENT, INVESTIGATION
OF THE TIDAL CURRENTS IN THE ACUSH-
NET RIVER AND CLARK'S COVE.

DR.

Pay rolls :—		\$32.89
Blossom Brothers, box boards,	\$2.90	
T. M. Hart & Co., twine,	.30	
Levi Ricketson, services,	131.00	
Henry F. West, use of boat,	70.00	<u>\$204.20</u>
		\$237.09
December 7, 1903. To balance,		<u>790.11</u>
		<u>\$1,027.20</u>

CR.

December 1, 1902. By balance,	<u>\$1,027.20</u>
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CR.

December 7, 1903. Balance,	<u>\$790.11</u>
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ENGINE HOUSE, KEMPTON AND REED STS.

CR.

By special appropriation,	<u>\$21,348.50</u>
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CR.

December 7, 1903. Balance,	<u>\$21,348.50</u>
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FIRE DEPARTMENT.

DR.

Salaries :—

Frederick Macy, chief engineer,	\$1,500.00	
Edward F. Dahill, 1st assistant engineer,	600.00	
James J. Donaghy, 2nd " "	300.00	
William E. Watson, 3rd " "	300.00	
Robert Woolfenden, Jr., 4th " "	300.00	
Frederick B. Macy, clerk,	200.00	\$3,200.00

Pay rolls :—

Permanent men,		\$43,716.99
Protecting society,		150 00
Engine Co., No. 1,	\$1,932.00	
" " " 2,	2,094.01	
" " " 4,	1,955.16	
" " " 5,	1,966.37	
" " " 6,	2,094 00	
" " " 7,	1,932.00	
" " " 8,	1,932.00	
" " " 9,	1,725.00	
Hook and Ladder Co., No. 1,	1,932.00	
" " " " 2,	1,932.00	
" " " " 3,	1,770.00	
Hose Co., No. 2,	960.00	
Chemical Engine Co., No. 1,	612 50	\$22,837.04

Blacksmithing :—

A. H. Bassett, Jr.,	\$80.42	
F. A. Bonneau,	142.80	
U. E. Collette,	161.66	
H. L. Donaghy,	120.05	
E. M. Durfee,	60.68	
Fichtemayer & Flynn,	396.87	
N. T. Fuller,	199.19	
A. E. Hathaway,	98.90	
J. L. Luce,	126.33	
R. T. Refuse,	4.60	
Julius C. Sylvia,	44.35	\$1,435.85

Fuel : —

Denison Brothers Co.,	\$985.90	
David Duff & Son,	1,110.83	
Highways and Streets,	30.80	
John N. O'Brien,	4.50	
Timothy J. O'Brien,	6.00	
Spencer's wood yard,	4.00	\$2,142.03

Harness and repairs : —

William Cronin & Co.,	\$314.62	
C. F. Cushing,	39.55	
F. A. Frates,	44.47	
George G. Huddy,	10.90	
W. C. Lucas,	1.70	
E. B. Macy,	30.80	
W. R. Washburn,	4.70	\$446.74

Horse feed and bedding : —

George Ashley,	\$11.00	
William Baylies,	1,346.91	
Charles S. Benson,	12.24	
Edwin Blossom,	6.56	
J. A. Bouvier,	158.77	
Denison-Plummer Co.,	179.90	
Hathaway & Mackenzie Grain Co.,	48.21	
William E. Hathaway,	216.58	
Horvitz Brothers,	283.51	
Samuel Horvitz & Co.,	28.80	
S. Isherwood,	7.52	
Perry P. Jenney & Son,	15.27	
Charles S. Kelley,	708.45	
J. Frank Kirk,	193.40	
Joseph H. Lawrence,	43.23	
Mortimer McCarty,	1,347.43	
John Notter,	194.93	
Poor department,	487.45	
Samuel Wing,	67.48	
A. H. Wordell,	.55	\$5,358.19

Horse and carriage hire : —

Henry T. Ashley,	\$12.00
Isaac L. Ashley,	19.00
James Duddy,	69.50

AUDITOR'S REPORT.

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Isaac H. Manchester,	39.50	
David Metthe,	11.00	
W. H. & L. F. Peirce,	58.50	
Allen Smith, Jr.,	39.50	
A. A. Sylvia,	30.00	\$279.00

Repairs to fire stations : —

George A. Bosworth,	\$9.60	
W. F. Desmond,	2.25	
George J. Dodge,	176.55	
C. L. Dunham,	103.79	
John H. Ennis,	26.16	
Greene & Wood,	4.63	
M. S. Greene,	.60	
Francis W. Hammond,	194.87	
George E. Hatch,	29.27	
Herbert L. James & Co.,	63.76	
S. C. Lowe Supply Co.,	6.05	
John W. Lynch,	5.05	
Walter Martin,	31.15	
J. L. G. Mason,	40.78	
John J. Meaney,	95.29	
T. J. Moriarty,	138.62	
Edward Murphy,	27.60	
Nelson Brothers,	12.70	
N. B. Boiler & Machine Co.,	176.30	
N. B. Gas & Edison Light Co.,	22.79	
E. F. Penney,	10.96	
James L. Sherman,	4.04	
John B. Sullivan & Son,	6.54	
Martin H. Sullivan,	137.65	
Charles Thompson,	5.40	
L. R. Washburn & Son,	1.90	
William R. West,	3.69	\$1,337.99

Supplies : —

Acushnet Iron Co.,	\$19.62
F. T. Akin & Co.,	15.33
American Locomotive Co.,	112.50
Archibald Wheel Co.,	1.50
Babbitt, Wood & Co.,	12.67
H. P. Babson,	22.00
James E. Blake,	3.68

Bliss & Nye,	47.18
Brightman Brothers,	1.87
William R. Brixey,	305.00
Bullock & Waldron,	37.93
William P. Butler,	.95
Collins Chace,	3.80
N. P. Chase,	28.00
George A. Cobb,	49.35
Henry T. Corson,	11.65
Thomas W. Croacher,	8.30
C. S. & B. Cummings,	14.14
E. F. Dahill,	6.77
De Wolf & Vincent,	24.99
Frank M. Douglass,	70.25
Driscoll, Church & Hall,	115.61
C. L. Dunham,	1.68
Greene & Wood,	62.58
T. M. Hart & Co.,	3.38
N. P. Hayes,	8.65
Hillman, Washburn & Co.,	46.73
Charles T. Holloway & Co.,	90.00
F. W. Hunt,	11.70
Perry P. Jenney & Son,	.35
George Kirby, Jr., & Co.,	17.31
C. H. & H. A. Lawton Co.,	90
S. C. Lowe Supply Co.,	16.48
E. B. Macy,	16.17
Frank Mitchell,	12.60
Martin S. Nelson,	3.50
N. B. Boiler & Machine Co.,	159.20
N. B. Cordage Co.,	3.38
N. B. Dry Goods Co.,	39.82
N. B. Furniture Co.,	18.00
N. B. Ice Co.,	28.60
N. B. Rubber Co.,	10.00
Packard Hardware Co.,	26.63
Frank R. Pease,	.60
W. A. Robinson & Co.,	14.40
Ruggles & Ellison,	30.06
C. R. Sherman & Son,	3.20
R. B. Skelley & Co.,	12.00
F. R. Slocum Co.,	12.00
J. V. Spare Dry Goods Co.,	17.29

AUDITOR'S REPORT.

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Standard Paint Co.,	9.00	
Charles H. Tripp,	20.10	
Wamsutta mills,	16.00	
William R. West,	1.97	
Charles F. Wing,	40.05	
Wood, Brightman & Co.,	4.64	\$1,672.06

Miscellaneous :—

Almy & Hitch, repairing flags,	\$1.95
E. Anthony & Sons, subscriptions,	48.00
Automatic Telephone Co., service,	47.00
Henry K. Barnes, sundries,	15.00
F. A. Bonneau, painting wagon,	35.00
Abram Boomer, cushion,	2.00
Daniel D. Briggs, disbursements,	29.28
F. S. Brightman Co., advertising,	11.62
Albion T. Brownell, committee expenses,	3.60
George L. Brownell, wagon repairs,	123.75
George L. Brownell estate, wagon repairs,	22.00
Cornelius Callahan Co., nozzle,	15.00
Collins Chace, wagon repairs,	30.00
A. E. Coffin Press, printing,	56.50
U. E. Collette, painting wagon,	27.00
W. H. Collins & Co., binding,	3.50
Walter H. Darling, steward,	20.00
E. T. Davis, carting,	1.00
W. E. Decrow, gong,	30.00
D. H. De Moranville, freight and carting,	1.50
Albert A. Dunlap, services,	127.75
R. M. Gardner & Co., wagon fittings,	18.43
C. A. Gray & Co., freight and carting,	2.87
W. A. Greenough & Co., directory,	4.00
H. B. Hamilton, services,	6.00
T. M. Hart & Co., flags and blocks,	26.35
Hatch & Co., express charges,	7.25
A. E. Hathaway, rent of shed,	120.00
L. J. Hathaway, wagon repairs,	42.80
E. V. Hazzard, wagon painting,	168.10
Highways and Streets, repairing trenches,	6.04
C. L. Kenyon & Co., horses,	829.00
George A. Lowell, wagon repairs,	13.25
Frederick Macy, chief, board of horse,	225.00
Frederick Macy, chief, disbursements,	18.05

Mercury Publishing Co., subscription,	6.00	
N. B. Five Cents Savings Bank, rent of shed,	24.00	
N. B. Furniture Co., carpets,	40.25	
N. B. Gas & Edison Light Co., labor and material,	19.54	
N. B. Gas & Edison Light Co., lighting,	739.41	
N. B. Steam Carpet Beating Est., cleaning,	21.79	
Pairpoint Mfg. Co., badges,	1.50	
F. H. Sargent, plating,	8.75	
George Schneider Mfg. Co., shut off,	25.00	
J. H. Shea, Jr., horse dentistry,	64.50	
So. Mass. Telephone Co., service,	432.27	
So. Mass. Telephone Co., tolls,	1.35	
R. W. Taber, advertising and stationery,	11.50	
Weston Electrical Instrument Co., cable,	100.00	
Whitlow Corporation, sundries,	1.70	
Edmond L. Wilde, services,	50.00	
Charles F. Wing, carpet and chairs,	55.08	
Wood, Brightman & Co., mantles,	.70	
Robert Woolfenden, laundry,	69.20	
A. H. Wordell, wheel jack,	3.50	\$3,814.63
		<hr/>
		\$86,390.52
To transfer to balance,		251 03
		<hr/>
		\$86,641.55

CR.

By appropriation,	\$84,000.00	
By transfer from unappropriated funds,	2,000.00	
Receipts as per Treasurer's reports,	641.55	\$86,641.55

FOURTH OF JULY CELEBRATION.

DR.

Band concerts : —

R. G. Brightman, carting stands,	\$3.50
W. F. Desmond, lumber,	5.73

AUDITOR'S REPORT.

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George J. Dodge, fitting stands,	16 50	
Gray & Sullivan, music,	88.00	
Highways and Streets, carting,	2 30	
George Hill, music,	44.00	
N. B. Gas & Edison Light Co., lighting,	7.30	
New Bedford Band, music,	88.00	
Reiter's Band, music,	44.00	
Union National Band, music,	44.00	\$343.33
Bell ringing :—		
Lord Barker,	\$5.00	
Henri Blanchette,	3.00	
W. W. Guthrie,	3.00	
E. Jackson,	3.00	
John Mitchelson,	3.00	
Joseph Pothier,	3.00	
E. Robenolt,	3.00	
John S. Spooner,	3.00	
J. H. P. Warfield,	3.00	
C. A. Webb,	3.00	
William H. Weston,	3.00	\$35.00
Fireworks display :—		
Charles H. Lobdell,	\$300.00	
Frank R. Pease,	300.00	\$600.00
Miscellaneous :—		
Albert C. Church, athletic sports,	\$20.00	
Mercury Publishing Co., advertising,	1.00	\$21.00
		\$999.33
To transfer to balance,		.67
		<u>\$1,000.00</u>
CR.		
By special appropriation,		<u>\$1,000.00</u>

FREE PUBLIC LIBRARY.

DR.

Salaries and pay rolls :—

George H. Tripp, librarian,	\$2,499.96	
Ethel D. Anthony, assistant,	70.20	
Nellie C. Davol, “	410.00	
Anna M. De Wolf, “	787.43	
Susie H. Gammons, “	600.00	
Etta F. Lawrence, “	600.00	
Emma J. Merrick, “	57.00	
Josephine A. Merrick, “	600.00	
Florence E. Pierce, “	600.00	
Myra M. Watson, “	256.75	
Clement L. Yaeger, “	678.48	
Robert Allen, attendant,	312.00	
William Brown, “	312.50	
Richard Ames, janitor,	36.00	
Yorick W. Ames, “	780.00	
William G. Lamb, fireman,	64.00	
Henry C. Adair, page,	99.75	
Joseph Birtwistle, “	185.50	
John Hoyle, “	80.50	
John Lees, “	25.67	
James McCarthy, “	134.20	
Francis Mendoza, “	15.20	
Paul J. Oesting, “	34.97	
Arthur S. Rogers, “	157.50	
Gabriel Shultz, “	10.50	\$9,408.11

Binding :—

W. H. Collins & Co.,	\$417.80	
H. S. Hutchinson & Co.,	164.23	
Office, Book and Library Co.,	71.00	
Sullivan & Markey,	368.90	\$1,021.93

Printing :—

E. Anthony & Sons,	\$430.97	
A. E. Coffin Press,	60.85	\$491.82

Subscriptions :—

American Dialect Society,	\$1.00
E. Anthony & Sons,	6.00

AUDITOR'S REPORT.

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American Statistical Association,	2.00	
American Antiquarian Society,	2.00	
Bookkeeper Publishing Co.,	8.00	
George L. Briggs,	26.05	
Cumulative Index Co.,	8.75	
Dedham Historical Register,	1.00	
Dodd, Mead & Co.,	5.00	
Douglas & Foulis,	5.95	
Essex Institute,	6.00	
Ginn & Co.,	8.00	
W. H. Guild & Co.,	20.43	
Mercury Publishing Co.,	12.00	
George R. Phillips,	3.00	
Pilgrim Press,	1.50	
Popular Mechanics,	1.25	
Public Library Monthly,	1.50	
Southern Historical Association,	3.00	
Robert W. Taber,	5.00	
C. D. Waldron,	1.00	
H. W. Wilson Co.,	8.00	\$136.43

Miscellaneous :—

F. T. Akin & Co., stock and labor,	\$20.36
A. L. A. Publishing Board, cards,	4.00
E. Anthony & Sons, advertising,	4.20
Bliss & Nye, basket, brushes and duster,	11.86
F. S. Brightman Co., stationery supplies,	3.00
Coffin Brothers, paper boxes,	30.00
W. H. Collins & Co., books and paper,	66.00
W. H. Caswell, painting,	13.68
Cosmos Co., pictures,	4.02
Levi L. Crane, pens,	1.90
A. B. Crowell, frame,	3.75
Denison Mfg. Co., labels,	4.20
C. H. Duncan & Co., pictures,	3.25
Gaylord Brothers, pockets,	17.50
C. A. Gray & Co., freight and carting,	10.66
Hammond Typewriter Co., repairs and supplies,	9.95
Holden Patent Book Cover Co., covers,	12.50
H. S. Hutchinson & Co., books and stationery,	22.59
India Alkali Co., savorgran,	7.35

Library Bureau, bulletin, cards and files,	104.44	
L'Independant Publishing Co., advertising,	11.25	
Mercury Publishing Co., advertising,	3.15	
N. B. Gas & Edison Light Co., lighting branches,	3.52	
N. B. Gas & Edison Light Co., fixtures and labor,	16.41	
A. P. Pope & Co., stock and labor,	129.74	
Publishers Weekly, book,	1.50	
C. R. Sherman & Son, stock and labor,	4.40	
So. Mass. Telephone Co., service,	33.00	
Smith Premier Typewriter Co., supplies,	13.25	
Stone & Downer Co., import charges,	14.54	
Soule Photograph Co., pictures,	1.88	
R. W. Taber, books and stationery,	20.88	
J. G. Tirrell, mounting ornaments,	8.53	
Union Street Railway Co., car tickets,	80.00	
Mary Watson, services,	318.70	
C. F. Wing, furniture and repairs,	34.95	
Wood, Brightman & Co., stock and repairs,	3.65	\$1,054.56
		<u>\$12,112.85</u>

CR.

By appropriation,	\$12,000.00	
By transfer to balance,	112.85	<u>\$12,112.85</u>

FREE PUBLIC LIBRARY, DOG FUND.**DR.**

George N. Alden,	\$90.00
E. Anthony & Sons,	37.50
George L. Briggs,	454.10
William R. Chase,	90.00
P. F. Collier & Son,	6.00
Williston H. Collins & Co.,	14.50

AUDITOR'S REPORT.

55

Commissioner of Patents, Washington,		
D. C.,	324.00	
Samuel H. Cook,	90.00	
I. S. Cornish & Son,	90.00	
William H. Guild & Co.,	510.38	
Walter S. Houghton,	19.00	
James F. Hoyer,	90.00	
H. S. Hutchinson & Co.,	9.41	
Index of the Press,	10.00	
Thomas M. James & Co.,	90.00	
Julius Kuhlman,	25.00	
Library Bureau,	33.75	
James H. Mahoney,	2.60	
Mercury Publishing Co.,	12.00	
N. B. Gas & Edison Light Co.,	111.47	
Office, Bank & Library Co.,	11.00	
Rotch & Potter,	90.00	
So. Mass. Telephone Co.,	3.00	
Stone & Downer Co.,	11.63	
Sullivan & Markey,	3.10	
Joseph G. Tirrell,	8.64	
Union St. Railway Co.,	20.00	
Hiram Van Campen & Co.,	90.00	
Myra M. Watson,	24.00	
William R. West,	62.51	
Charles F. Wing,	31.88	
George A. York,	90.00	\$2,555.47
December 7, 1903. To balance,		1,262.95
		<u>\$3,818.42</u>

CR.

December 1, 1902. By balance,	\$2,162.29	
Receipts as per Treasurer's reports,	1,656.13	\$3,818.42

CR.

December 7, 1903. Balance,	<u>\$1,262.95</u>
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FREE PUBLIC LIBRARY TRUSTEES,
JAMES B. CONGDON FUND.

CR.

December 1, 1902. By balance,	\$157.66	
Receipts as per Treasurer's reports,	30.00	\$187.66

CR.

December 7, 1903. Balance,		\$187.66
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FREE PUBLIC LIBRARY TRUSTEES,
GEORGE O. CROCKER FUND.

DR.

American Antiquarian Society,	\$1.50
American Library Co.,	12.00
Alfred A. Doane,	5.50
Chester W. Eaton,	2.00
Egypt Exploration Fund,	10.00
William M. Emery,	4.00
C. A. Hack & Son,	5.00
Franz Hanfstaengle Fine Art Publishing House,	54.00
Bruno Hessling,	7.50
Ulrico Hoeplé,	5.65
Holland Society of New York,	10.00
H. S. Hutchinson & Co.,	33.25
C. A. Koehler & Co.,	43.80
Charles E. Lauriat Co.,	15.90
Waldo Lincoln,	7.00
George E. Littlefield,	28.35
J. B. Millett Co.,	25.00
Moore & Company,	44.37
Noah Farnham Morrison,	2.78
George D. Morse,	1.00
Joel Munsell's Sons,	8.20
N. Y. Genealogical and Biographical Society,	15.00

AUDITOR'S REPORT.

57

Fred. W. Parsons,	5.00	
Rand, McNally & Co.,	48.00	
George D. Smith,	5.85	
O. Clifton Willcomb,	2.00	
Joseph Wright,	10.22	\$412.87
December 7, 1903. To balance,		61.62
		<u>\$474.49</u>

CR.

December 1, 1902. By balance,	\$74.49	
Receipts as per Treasurer's reports,	400 00	\$474.49
		<u></u>

CR.

December 7, 1903. Balance,		<u>\$61.62</u>
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FREE PUBLIC LIBRARY TRUSTEES, OLIVER CROCKER FUND.

CR.

December 1, 1902. By balance,	\$219.06	
Receipts as per Treasurer's reports,	60.00	\$279.06
		<u></u>

CR.

December 7, 1903. Balance,		<u>\$279.06</u>
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FREE PUBLIC LIBRARY TRUSTEES, GEORGE HOWLAND, JR., FUND.

DR.

American Architect and Building News Co.,	\$15.75
N. J. Bartlett & Co.,	1.00

Dante Society,	5.00	
Fishes of North America Publishing Co.,	50.00	
Houghton, Mifflin & Co.,	35.00	
Charles E. Lauriat Company,	35.00	
George E. Littlefield,	14.00	
J. B. Millette Company,	13.50	
John D. Morris & Co.,	14 25	
Joel Munsell's Sons,	2.70	
Martinus Nijhoff,	18.30	
John E. Scopes,	3.50	
Joseph G. Tirrell,	60.38	\$268.38
December 7, 1903. To balance,		50.05
		<u>\$318.43</u>

CR.

December 1, 1902. By balance,	\$222.43	
Receipts as per Treasurer's reports,	96.00	\$318.43
		<u></u>

CR.

December 7, 1903. Balance,	<u>\$50.05</u>
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FREE PUBLIC LIBRARY TRUSTEES,
SYLVIA ANN HOWLAND FUND.

DR.

William Abbott,	\$7.45
American Architect Co.,	2.00
American Art Manual,	5.00
American School of Correspondence,	30.00
John Anderson, Jr.,	.85
John R. Anderson Co.,	16.75
Susan B. Anthony,	3.00
Theodore Audell & Co.,	5.60
Bancroft-Whitney Co.,	24.00
Bangs & Co.,	6.40
Banner of Light Publishing Co.,	1.64

AUDITOR'S REPORT.

59

A. J. Barker,	2.50
N. J. Bartlett & Co.,	31.11
Booklovers Library Co.,	240.00
Boston Music Co.,	4.12
J. W. Bouton estate,	3.00
R. R. Bowker,	4.50
Brentanos',	1.50
Albert Britnell,	1.52
Burnham's Antique Bookstore,	5.13
Burrows Brothers Co.,	4.87
John W. Cadby,	1.68
W. J. Campbell,	12.00
T. H. Castor & Co.,	4.22
Cathedral Library Association,	3.23
A. C. Clark,	3.19
Arthur H. Clark Co.,	10.25
Edward E. Clark,	3.00
Frank W. Coburn,	1.50
Collins Book Co.,	1.10
John S. Collins,	5.00
Congdon & Britnell,	1.50
Cupples & Schoenhoff,	118.09
A. D. Dean,	5.00
Joseph Desjardins,	3.25
Dodd, Mead & Co.,	61.66
Alexander Duncker Co.,	4.00
C. H. Dutton & Co.,	2.75
Egypt Exploration Fund,	5.00
Emerson College of Oratory,	2.00
James K. Ewer,	6.00
Federal Book Co.,	7.00
Ginn & Co.,	4.39
Goodspeed's Book Shop,	1.00
James Gopell's Sons,	6.00
W. A. Greenough & Co.,	4.00
Guild & Lord,	2.00
William H. Guild & Co.,	2.00
E. B. Hall & Co.,	15.00
L. R. Hamersley Co.,	3.00
Hawker & Maglathlin,	3.50
Hebrew Publishing Co.,	14.90
Newman W. Henley & Co.,	3.00
J. A. Hill & Co.,	9.25

Hines & Noble,	12.87
U. S. Hollister,	3.00
Johns Hopkins Press,	2.97
Hotel Red Book Co.,	3.00
Houghton, Mifflin & Co.,	28.50
George P. Humphrey,	1.55
H. S. Hutchinson & Co.,	1,342.30
Index Publishing Co.,	1.50
E. W. Johnson,	.44
E. L. Kellogg & Co.,	9.40
Kimball Brothers,	3.24
Kindergarten Magazine Co.,	1.35
C. A. Koehler & Co.,	50.82
Julius Kuhlman,	4.50
James H. Lamb Co.,	7.00
C. E. Lauriat Co.,	33.91
Lawyer's International Publishing Co.,	6.00
C. F. Libbie & Co.,	.80
Little, Brown & Co.,	68.52
George E. Littlefield,	10.75
The Macmillan Co.,	33.59
Massachusetts Historical Society,	6.00
A. C. McClurg & Co.,	28.33
Cora E. McDevitt,	7.70
Joseph McDonough,	43.50
H. J. McLatchey,	5.80
S. F. McLean & Co.,	4.13
Samuel E. Miller,	4.50
Moody Publishing Co.,	7.50
Moore & Co.,	358.56
Munn & Co.,	12.00
Allen C. Myers,	2.55
National Educational Association,	2.00
New Hampshire Publishing Co.,	4.25
Martinus Nijhoff,	7.85
North River Bindery,	4.00
Pennsylvania Museum,	1.10
Perrien-Keydel Co.,	4.50
Philadelphia Book Store,	32.86
Admiral Philip Memorial,	2.25
M. D. Prevost,	3.00
Prang Educational Co.,	10.10
G. P. Putnam's Sons,	4.50

AUDITOR'S REPORT.

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Sampson, Murdock & Co.,	17.00	
School of Industrial Art of the Pennsylvania Museum,	2.00	
John E. Scopes,	5.50	
Charles Scribner's Sons,	4.50	
Sibley & Co.,	10.00	
John Skinner,	.75	
H. I. Smith,	7.50	
Soldiers' and Sailors' Historical Society of R. I.,	.80	
Soule Photograph Co.,	1.13	
C. F. Spooner,	2.26	
Lyman M. Stearns,	8.50	
G. E. Stechert,	10.57	
Mellville Strong,	3.75	
Swets & Zeitlinger,	7.92	
Robert W. Taber,	634.08	
William Thompson,	2.35	
Trow Directory Co.,	6.00	
Union Library Association,	29.17	
United States Directory Co.,	10.00	
A. E. Verrell,	4.04	
Joseph M. Wade & Co.,	68.37	
Oscar Wegelin & Co.,	7.13	
A. W. Wessels & Co.,	3.43	
H. P. Willis,	.75	
H. W. Wilson Co.,	1.40	
P. W. Zeigler & Co.,	9.75	\$3,772.04
December 7, 1903. To balance,		4.06
		<u>\$3,776.10</u>

CR.

December 1, 1902. By balance,	\$776.10	
Receipts as per Treasurer's reports,	3,000.00	\$3,776.10

CR.

December 7, 1903. Balance,	\$4.06
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FREE PUBLIC LIBRARY TRUSTEES,
CHARLES W. MORGAN FUND.

DR.

George E. Littlefield,	\$5.90	
Fred Ongania,	4.18	
London Times,	71.25	\$81.33
December 7, 1903. To balance,		204.91
		<hr/> \$286.24

CR.

December 1, 1902. By balance,	\$226.24	
Receipts as per Treasurer's reports,	60.00	\$286.24
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CR.

December 7, 1903. Balance,	<hr/> \$204.91
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FREE PUBLIC LIBRARY TRUSTEES,
CHARLES L. WOOD FUND.

DR.

American Architect Co.,	\$2.00
Anderson Auction Co.,	3 00
George F. Bartlett, collector,	31.00
T. H. Castor & Co.,	1.86
V. L. Collins,	3.00
Cupples & Schoenhof,	1.20
Charles Evans,	15.00
Gaylord Bros.,	1.25
William D. Grant,	2.30
Hebrew Publishing Co.,	10.35
Houghton, Mifflin & Co.,	5.00
Macmillan Company,	.60
Henry Malkan,	27.50
A. C. McClurg & Co.,	2.35

AUDITOR'S REPORT.

63

Cora E. McDevitt,	12.24	
Joseph McDonough,	1.85	
John E. Scopes,	4.50	
Secretary State of R. I.,	4.00	
Joseph G. Tirrell,	9.64	
D. B. Updike Co.,	4.00	\$142.64
December 7, 1903. To balance,		225.54
		<u>\$368.18</u>

CR.

December 1, 1902. By balance,	\$288.18	
Receipts as per Treasurer's reports,	80.00	\$368.18
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CR.

December 7, 1903. Balance,		<u>\$225.54</u>
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FREE PUBLIC LIBRARY TRUSTEES,
READING ROOMS FUND.

DR.

E. Anthony & Sons,	\$12.00	
N. B. Gas & Edison Light Co.,	120.34	\$132.34
December 7, 1903. To balance,		8.32
		<u>\$140.66</u>

CR.

December 1, 1902. By balance,		<u>\$140.66</u>
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CR.

December 7, 1903. Balance,		<u>\$8 32</u>
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HIGHWAYS AND STREETS.

DR.

Pay rolls,

\$131,641.23

Crusher stone : —

Henry C. Allen,	\$194.24
John J. Allen,	1 01
Charles M. Andrews,	12.57
Daniel A. Anthony,	194.41
A. Davis Ashley,	7.14
Henry T. Ashley,	5.37
Edward Auger,	35.26
J. V. Bancroft,	27.91
John Barry,	1.47
Henry Bartlett,	23.77
Nellie C. Beedon,	109.96
Frank C. Bennett,	36.45
John Bertram & Son,	5.73
Thomas Blecha,	152.93
Jeremiah Bonneau,	67.05
George B. Borden,	86.51
H. T. Borden & Co.,	8.68
John F. Borden,	11.95
Alfred Bouchard,	577.30
Gilbert Bouchard,	90.25
Charles O. Brightman,	3.72
George F. Brightman,	15.64
William H. Brightman,	44.24
Henry T. Bulman,	27.16
James Burns,	5.59
Edward H. Casey,	63.55
Augustus Chase,	20.64
N. P. Chase,	57.05
John Chicoine,	16.28
George Coggeshall,	19.28
Edward Commeau,	8.40
Joseph Commeau,	19.61
John Connors,	387.17
Patrick Connors,	321.85
Pardon Cornell,	63.07
Eugene G. Crapo,	369.40
Duffie Cusson,	33.07
Antone Damos,	28.74

John Davignon,	27.91
Giles A. Davis,	49.95
L. T. Davis,	51.99
Joseph De Costa,	130.30
Frank De Mello,	10.44
P. B. Demers,	134.62
Louis F. De Moranville,	2.77
Denault Brothers,	10.79
Alfred Denault,	183.44
Moses Denault,	556.99
T. F. Desmond,	5.95
James Duddy,	15.58
David Duff & Son,	802.54
Arthur Dumaine,	250.57
William W. Durfee,	30.17
Manuel Enos,	7.50
F. A. Fagundas,	62.86
M. J. Fagundes,	97.76
Henry Fateux,	107.35
Frank Feaster,	61.07
Frank J. Fernandez,	1.51
David Ferguson,	4.09
Manuel Figuerido,	57.95
Manuel Figuerette,	45.53
Jack Foster,	124.32
H. J. Fredette,	178.58
Milton Frost,	5.70
E. H. Gammons,	145.39
C. T. W. Gifford,	76.33
William C. Gillis,	69.48
D. Goodrow,	109.27
Napoleon Goulet,	13.13
Pierre Gregoire,	56.12
David Grew,	11.98
George H. Hambly,	301.67
John N. Hammond,	27.63
Thomas Harding,	4.71
Charles Haskell,	70.44
Henry W. Hathaway,	5.20
John W. Heys,	16.11
John J. Howland,	2.85
Fred Joubert,	10.71
M. W. Kellogg & Co.,	8.95

Henry Lagesse,	60.14
Levi Lanagan,	13.82
John Lanna,	.40
George R. Lawrence,	11.41
Henry Le Lievre,	27.91
Henry Lemeris,	31.21
Frank S. Lemos,	18 60
Manuel Lewis,	62.93
Adam Liberty,	48.11
William H. Lynch,	47.44
C. A. Macomber,	8.04
Leonard Macomber,	74.90
William P. Macomber,	236.35
Cyrille Mailloux,	69.59
Anden Manat,	20.15
John W. Manchester,	38.67
Frank S. Marks,	18.70
Arthur Martel,	90.19
Walter Martin,	20.97
Mortimer McCarthy,	98 55
Timothy McCrohan,	9.82
John F. McGuinness,	7.40
Miller & Hook,	3.69
Viancico Mioniz,	13.76
E. W. Morse,	5.70
Charles H. Morton,	168.55
Walter F. Mosher,	87.56
Charles H. Negus,	61.02
Benjamin Negus,	26.01
Joseph Nelson,	63.00
N. B. Gas & Edison Light Co.,	4.94
N. B. Teaming Co.,	9.65
N. B. Water Works,	19.70
Lazare Noel,	101.78
Frank P. Noia,	3.34
George W. Norton,	65 95
F. William Oesting,	146.56
P. O'Leary,	2.34
Frank Oliver,	24.00
William C. Parker,	620.21
Francis M. Pease,	78.40
Charles H. Peck,	18.70
Louis N. Peckham,	14.11

Jose Pedro,	30.69
W. H. & L. F. Peirce,	.85
A. W. Penkins & Co.,	.46
Manuel Perry,	75.97
Phaneuf & Son,	338.46
Charles H. Place,	13.21
Isaac B. Poole,	1.27
Peter Pusere,	4.01
Charles T. Reed,	59.15
Edward Reynolds,	23.60
Joseph H. Rogers,	115.13
Adolph Rondeau,	42.52
Ernest Rondeau,	30.60
Proper Rondeau,	774.65
Abiatha Rogers,	4.89
M. Rosenthal,	30.28
Francois Roy,	4.30
Edward T. Russell,	106.03
William G. Sadler,	28.91
William J. Sadler,	61.18
Henry Schroeter,	15.18
Joseph Sequiera,	355.95
S. E. Shaw,	1.07
Stephen E. Shaw,	13.24
John S. Silva,	188.79
Fred Souza,	113.39
Manuel P. Souza,	6.57
George Spencer,	3.77
Charles F. Spooner,	51.22
Daniel A. Spooner,	18.37
Edward F. Spooner,	17.56
E. S. Spooner,	115.85
George H. Spooner,	42.71
St. Luke's Hospital,	6.24
F. A. Stowell,	43.84
John B. Sullivan & Son,	1,931.48
E. R. Swain,	31.45
Antone S. Sylvia,	291.81
John Sylvia,	6.40
John B. Sylvia,	.92
Joseph Sylvia,	48.79
Joseph L. Sylvia,	.61
Joseph S. Sylvia,	68.32

Manuel B. Sylvia,	6.70	
Manuel D. Sylvia,	56.12	
Fred C. Taber,	1.53	
William W. Thatcher,	62.56	
Alexander A. Tripp,	165.38	
A. F. Tripp,	78.65	
William H. Tripp,	57.10	
William O. T. Upham,	70.66	
Frank Vera,	34.42	
Manuel Vetorem,	26.02	
Manuel Victorine,	7.62	
Henry Viegant,	156.58	
David Warren,	68.36	
Benjamin F. Watkins,	63.82	
Harrison W. Watkins,	25.09	
H. R. Weeks,	.74	
George F. Wilbur,	105.43	
S. A. Wilbur,	13.23	\$15,776.59
Curbing and paving : —		
Alfred Denault,	\$1,030.90	
Moses Denault,	2,462 90	
Moses Denault, Jr.,	47.84	
Abiatha Rogers,	138.12	
John B. Sullivan & Son,	6,413 40	
Warren Brothers,	23,740.38	\$33,833.54
Hardware, machine fittings and tools : —		
Acushnet Iron Co.,	\$12.95	
Ames Plow Co.,	26.25	
Beach & Treiber Co.,	25.00	
Peter Black,	5.00	
Bliss & Nye,	3.00	
Harold L. Bond & Co.,	32.58	
Boston Bolt Co.,	47.79	
Boston & Lockport Block Co.,	8.89	
G. W. Brady,	18.60	
De Wolf & Vincent,	182 04	
J. B. Dion,	11.28	
Driscoll, Church & Hall,	4.67	
E. M. Durfee,	.25	
Edson Mfg. Co.,	96.95	
Fairbanks Co.,	46.40	

AUDITOR'S REPORT.

69

Fairhaven Iron Foundry Co.,	371.36	
Farrel Foundry & Mch. Co.,	24.80	
Good Road Machinery Co.,	261.90	
Jonathan Handy Co.,	502.27	
H. H. Harvey,	45.19	
George E. Hatch,	17.31	
N. P. Hayes,	41.28	
Heywood Brothers & Wakefield Co.,	26.00	
Hillman, Washburn & Co.,	83.42	
Ingersoll-Sergeant Drill Co.,	71.00	
Jeffrey Mfg. Co.,	125.00	
Perry P. Jenney & Son,	34.06	
Keuffel & Esser Co.,	12.24	
S. C. Lowe Supply Co.,	197.64	
John McCullough,	2.85	
August Meitz,	82.60	
Menzies Street Cleaner Co.,	15.00	
N. B. Boiler & Mch. Co.,	4.56	
N. B. Cordage Co.,	87.59	
N. B. Fire Department,	16.00	
N. B. Foundry & Mch. Co.,	.32	
N. B. Gas & Edison Light Co.,	13.05	
Perrin, Seamans & Co.,	213.79	
Willard G. Poole,	1.50	
J. L. & H. K. Potter,	500.00	
George D. Richards,	1.90	
Slocum & Kilburn,	59.47	
F. L. Sowle,	1.25	
J. V. Spare Dry Goods Co.,	2.18	
M. L. Sylvia,	.85	
Taylor Iron & Steel Co.,	2,640.94	
Wood, Brightman & Co.,	24.69	
A. H. Wordell,	9.00	\$6,012.66

Labor and material : —

A. W. Allen Co.,	\$5.16
Babbitt, Wood & Co.,	449.12
A. Bolduc,	3.10
W. P. Briggs,	5.35
George A. Cobb,	17.25
T. M. Hart & Co.,	2.68
George E. Hatch,	67.93
Perry P. Jenney & Son,	82.00

John Lindsey,	3.25	
N. B. Boiler & Mch. Co.,	35.39	
N. B. Gas & Edison Light Co.,	4.29	
N. B. Water Works,	15.79	
William H. Rankin,	45.92	
John H. Ryan,	392.04	
Frank S. Tripp,	290.81	
Warren Brothers Co.,	38.73	
Wood, Brightman & Co.,	11.23	\$1,470 04

Supplies : —

Francis T. Akin,	\$252.24	
American Engineering Works,	21.15	
Babbitt, Wood & Co.,	37.76	
George B. Borden,	49.65	
Nathan C. Bumpus,	18.78	
C. S. & B. Cummings,	.75	
Denison Brothers Co.,	398.63	
Driscoll, Church & Hall,	11.35	
David Duff & Son,	1,786.51	
George A. Eggers,	150.50	
Frank E. Fitts Mfg. & Supply Co.,	114.12	
Garlock Packing Co.,	15.56	
T. M. Hart & Co.,	66.80	
William M. Higham,	.25	
Albert W. Holmes,	162.22	
Kimball, Harrington & Osborne,	538.13	
George Kirby, Jr., & Co.,	51.25	
National Coal Tar Co.,	1,027.50	
N. B. Ice Co.,	15.82	
N. B. Water Works,	14.18	
William F. Nye,	10.00	
S. S. Paine & Brother,	1,021.15	
Charles S. Paisler,	2,528.56	
A. W. Perkins & Co.,	366.03	
Remington Typewriter Co.,	.20	
Sanitas Co.,	5.80	
Slocum & Kilburn,	7.81	
Solshine Supply Co.,	3.00	
Standard Oil Co.,	158.69	
Time Mfg. Co.,	8.75	
Viscol Co.,	13.00	
Warren Brothers Co.,	2,015.85	
William R. West,	118.34	\$10,990.33

Teaming : —

Seth Alden,	\$145.73
H. P. Babson,	4.00
William Baylies,	1,959.81
J. A. Bouvier,	2.86
George L. Brownell estate,	15.75
Burton Oil Co.,	32.25
Joseph B. Charbonneau,	7.81
Church & Hammond,	22.75
George A. Cobb,	9.43
O. E. Covel, manager,	525.00
John A. Crapo,	30.00
William Cronin & Co.,	428.80
A. J. Delano,	12.64
D. H. De Moranville,	5.00
Denison, Plummer Co.,	1,112.40
Henry H. Dews,	249.00
Driscoll, Church & Hall,	.75
E. M. Durfee,	3 23
Henry Fateux,	56.81
Fichtenmayer & Flynn,	85 08
N. T. Fuller,	1.00
J. N. Gage,	129.75
Charles F. Gifford,	550.00
Greene & Wood,	13.27
Albion Hall,	7.00
H. B. Hamilton,	40.00
T. M. Hart & Co.,	.90
A. E. Hathaway,	627.27
L. J. Hathaway,	81.17
W. E. Hathaway,	889.69
Hathaway & Mackenzie Grain Co.,	296 12
George G. Huddy,	95.30
Perry P. Jenney & Son,	123.40
Walter A. Jenney,	125.90
C. L. Kenyon & Co.,	35.15
J. Frank Kirk,	632.50
S. C. Lowe Supply Co.,	.45
F. William Oesting,	985.32
A. W. Perkins & Co.,	8.13
John S. Perry,	396.27
Alden Rounsevelle,	39.97
J. H. Shea, Jr.,	86.00

Smith & Goold,	12.00	
Julius C. Sylvia,	.38	
W. R. Washburn,	65.00	
A. M. Wood Co.,	91.11	
A. H. Wordell,	24.00	\$10,066.15

Miscellaneous : —

Allen's Express, charges,	\$5.80
Almy & Hitch, awnings,	16.00
E. Anthony & Sons, advertising,	7.90
E. Anthony & Sons, subscription,	6.00
Automatic Telephone Co., rentals,	12.00
Andrew Bannister, gravel,	17.00
Blossom Brothers, lumber,	162.32
George B. Borden, clearing snow,	9.20
F. S. Brightman Co., stationery, etc.,	22.64
Samuel Broadway, labor,	1.40
J. M. Burgess, land rent,	24.00
Carter's Ink Co., coupon book,	4.50
City Coal Co., weighing,	.40
A. E. Coffin Press, printing,	236.00
W. H. Collins & Co., books and receipts,	32.00
Samuel H. Cook, boiler insurance,	100.00
Thomas W. Croacher, lumber,	67.00
Z. B. Davis, dirt,	4.50
Department of Wharves, storage, etc.,	250.00
H. B. De Wolf, clock repairs,	5.00
John Duff, P. M., stamped envelopes,	21.20
Electric Express, freight,	.25
Henry Fateux, dirt,	21.90
Harriet H. Gilman, rent and light,	717.04
Greene & Wood, lumber,	341.74
W. A. Greenough & Co., directories,	8.00
Hammond Typewriter Co., repairs,	2.54
Hatch & Co., express charges,	13.00
H. S. Hutchinson & Co., mounting map,	1.00
Kirby & Hicks, use of horse,	455.00
H. J. Lacey, map,	1.90
C. F. Lawton, superintendent, expenses,	96.05
Library Bureau, index cards,	28.70
Mercury Publishing Co., advertising and printing,	50.62
Mercury Publishing Co., subscription,	6.00

AUDITOR'S REPORT.

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August Meitz, freight,	4.45	
Municipal Journal & Engineer, subscription,	3.00	
N. B. Co-operative Express, charges,	.35	
N. B. Gas & Edison Light Co., lighting,	163.09	
N. B. Gas & Edison Light Co., gas for power,	144.20	
N. E. Cotton Yarn Co., land rent,	100.00	
N. Y., N. H. & H. R. R. Co., freight,	216.78	
N. Y., N. H. & H. R. R. Co., mileage,	20.00	
L. Z. Normandin, services and medicine,	28.65	
John N. O'Brien, sealing scales,	2.42	
A. D. Piper, washing towels,	1.09	
C. B. Piper, washing towels,	7.20	
Joao C. da S. Pitta, medical services,	7.50	
Joseph G. Rainville, gravel,	85.92	
C. G. & G. A. Randall, lumber,	213.58	
Remington Typewriter Co., rental, exchange, etc.,	47.60	
Alden Rounsevelle, Jr., plank,	9.15	
Sanders & Barrows Clothing Co., uniforms,	8.50	
Schuler Brothers, rubber boots,	4.50	
Sherman & Perry, carriage hire,	3.00	
Abbott P. Smith, land rent,	100.00	
So. Mass. Telephone Co., service and tolls,	38.51	
A. T. Story & Co., trees,	200.00	
Manuel A. Sylvia, repairing damages,	6.95	
E. C. Taber, weighing,	4.96	
R. W. Taber, books and stationery,	17.39	
W. C. Tilton, damages,	4.00	
Wamsutta Stables, carriage hire,	5.00	
Warren Brothers Co., granolithic walks,	11,007.56	
Welsbach Street Lighting Co., damages,	9.50	
W. U. Telegraph Co., service,	2.33	
Charles F. Wing, shades,	.75	
A. H. Wordell, seed,	2.90	\$15,219.43
		<hr/> \$225,009.97

CR.

By appropriation,	\$48,439.00	
By special appropriations,	121,561.00	
Receipts as per Treasurer's reports,	50,615.12	\$220,615.12
By transfer to balance,		4,394.85
		<hr/> \$225,009.97

INCIDENTALS.

DR.

Advertising:—

E. Anthony & Sons,	\$468.52	
Catholic Union Publishing Co.,	248.25	
L'Independant Publishing Co.,	164.13	
Mercury Publishing Co.,	582.31	
Times Publishing Co.,	325.80	\$1,789 01

Birth and death returns:—

J. H. Amrock,	.50
Louisa Anthony,	1.50
Isabella Arnold,	2.00
D. S. Belanger,	18 25
Robert G. Bennett,	72.75
J. A. Bernier,	3.25
James A. Bonnar,	.25
Joseph Carriere,	37.50
Laurana A. Chubbuck,	.75
Charles F. Connor,	2.75
Mary Cooper,	2.75
Anna W. Croacher,	2.50
Mary Delfina,	4.50
Spencer C. Dickerson,	.50
Sylvester E. Donovan,	29.75
Sarah Douglass,	.25
Anna Drozdowska,	2.25
H. L. Dwight,	3 50
Sara Edelstein,	4.25
Philomena Francis,	2.75
Joseph A. Frasier,	5.75
Mary Frates,	4.00
Mary Flitcroft,	3.75
J. E. Fortin,	15.50
Vital Girard,	19.25
Leon Goldstein,	1.00
E. R. Gravel,	15.00
A. M. Healey,	.25
Hicks & Potter,	3.50
Sarah Hope,	.50
Barker C. Howland,	1.00

AUDITOR'S REPORT.

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Charles R. Hunt,	2.00	
Jane A. Kidd,	.75	
A. P. Lagasse,	21.50	
Willard W. Lemaire,	.75	
Daniel B. Leonard, canvass,	437.75	
M. H. Leonard,	38.75	
Margaret A. Mann,	3.50	
John E. Moriarty,	10.50	
T. J. Murphy,	18.75	
N. B. Emergency Hospital,	1.50	
W. J. Nickerson,	2.50	
Alphonse Normandin,	38.25	
L. Z. Normandin,	68.50	
Ubalde Paquin,	3.50	
Joseph Petluck,	.25	
A. Martin Pierce,	13.75	
Joao C. da S. Pitta,	17.75	
J. C. Pothier,	9.50	
Charles A. Pratt,	4.50	
Elmer E. Robbins,	14.25	
John Rogers,	44.25	
J. C. Shaw,	4.75	
Thomas W. Shaw,	2.25	
Sara Simansky,	2.00	
Simon Simanski, 2nd,	1.75	
Mary Smith,	1.75	
Ada I. Spade,	.25	
J. D. Sullivan,	53.75	
Harriet D. Tripp,	.50	
Weston C. Vaughan, Jr.,	75.00	
Amos P. Webber,	6.50	
Helen W. Webster,	9.75	
J. Frank Weeks,	2.75	
Joseph S. Williams,	57.50	
E. T. Wilson & Son,	91.50	\$1,324.75

Carriage hire :—

Isaac L. Ashley,	\$41.35	
Kirby & Hicks,	210.05	
Sherman & Perry,	116.75	
Wamsutta Stables,	152.00	
David Warren,	3.00	\$523.15

Clerical services : —

William J. Abrams,	\$75.50	
John H. Finnell,	75.50	
George H. Freeman,	480.50	
William J. Glasgow,	75.50	
Elizabeth B. Hathaway,	636.00	
Harry T. Healy,	63.00	
Charles T. Heron,	5.00	
Laura T. Howland,	338.00	
Edwin B. Jourdain,	5.00	
Roland A. Leonard,	420 50	
William T. Loughlin,	183.00	
Florance A. Murphy,	795 00	
Walter R. Myrick,	22.50	
John A. O'Keefe,	30.00	
George W. Parker,	961.00	
Joseph J. Pfaffenzeller,	63.00	
Mary C. Potter,	5.00	
Edmund A. Reed,	954.00	
Patience J. Sherman,	662.50	
Ruth S. Sherman,	1,054.00	
Arthur C. Spooner,	954.00	
R. A. Swan,	5 00	
Edwin L. Tillighast,	1,060.00	
William B. Topham,	500.50	
Charles A. Tuell,	63.00	\$9,487.00

Damages and legal expenses : —

Benjamin B. Barney,	\$507.49	
Annie F. Guinn,	100.00	
Lawrence W. Martin,	100.00	
Florence G. Wilbour,	25.00	\$732.49

Delivery of tax bills and summons : —

William J. Abrams,	\$17.50
Michael Crowe,	15.00
George R. Deane,	12.50
John H. Finnell,	65.00
B. P. Fury,	18.75
William J. Glasgow,	20.00
Edward B. Gray,	20.00
Roland A. Leonard,	22 50
William T. Loughlin,	17.50

AUDITOR'S REPORT.

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Walter R. Myrick,	32 50	
Joseph J. Pfaffenzeller,	21.25	
Joseph A. Place,	22.50	
Manuel J. Senna,	27.50	
Richmond C. Winter,	15.00	
George R. Young,	15.00	\$342.50
Fuel : —		
Merton B. Ashley,	\$32.08	
City Coal Co.,	.20	
Denison Brothers Co.,	462.79	
David Duff & Son,	716 91	
Albert W. Holmes,	40.00	\$1,251.98
Janitors and watchmen : —		
W. S. Cushing,	\$6.00	
E. M. Horton,	262.00	
Arthur B. Lamb,	24.00	
Clarence G. Lamb,	36.00	
William G. Lamb,	795.00	
Joseph Mather,	742.00	
Walter Pell,	60.80	
Cornelius B. Piper,	421.84	
David M. Piper,	777.51	
Henry C. Slosson,	6.00	
J. H. Warfield,	3.88	
Seth Wilcox,	8.00	\$3,143.11
Janitor supplies : —		
F. T. Akin & Co.,	.40	
Bliss & Nye,	2.64	
Chadwick & Co.,	7.70	
C. S. & B. Cummings,	11.41	
Thomas Hersom & Co.,	.30	
Perry P. Jenney & Son,	4.65	
Phinotas Chemical Co.,	6.10	
George D. Richards,	7.30	
E. H. Shaw & Co.,	.20	
Benjamin R. Tillson,	4.00	\$44.70
Newspapers and periodicals : —		
E. Anthony & Sons,	\$42.62	
Boston Daily Advertiser,	6.00	

George L. Briggs,	21.30	
J. S. Daggett,	1.00	
Investor Publishing Co.,	6.25	
Mercury Publishing Co.,	30 00	
Municipal Journal & Engineer,	9.00	\$116.17

Personal and special services : —

Board of Assessors,	\$75.00	
Henry H. Dews,	15.00	
H. B. Hamilton,	15.00	
Charles F. Lawton,	100 00	
Arthur T. Lovell,	383.51	
Samuel C. Perry,	266.17	
Henry T. Phillips,	15.00	
A. D. Piper,	1.50	
Cornelius B. Piper,	15.75	
David M. Piper,	50.00	
Francis C. Smith,	157 50	
C. A. V. Terry,	10.00	
Henry F. West,	10.00	\$1,114.43

Rents : —

Bates & Kirby,	\$180.00	
Harriet H. Gilman,	833.92	
Merchants National Bank,	310.51	
N. B. Safe Deposit & Trust Co.,	25.00	
N. Y., N. H. & H. R. R. Co.,	200.00	
North Congregational Church,	60.00	
Charles N. Richmond, agent,	300.00	\$1,909.43

Stock and labor : —

Almy & Hitch,	\$56.05	
George A. Bosworth,	14 26	
William P. Briggs,	25.21	
T. M. Hart & Co.,	.92	
A. L. Hazzard,	2.00	
N. B. Gas & Edison Light Co.,	15.11	
A. P. Pope & Co.,	19.31	
William B. Wood,	111.50	
William E. York,	1.50	\$245.86

Miscellaneous : —

F. T. Akin & Co., brushes,	.84	
Allen's Express, charges,	.50	

AUDITOR'S REPORT.

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American Library Co., book,	15.00
C. S. Ashley, mayor, committee and travelling expenses,	317.26
D. C. Ashley, inspector, allowance,	275.00
Automatic Telephone Co., rentals,	101.10
William A. Baker, committing truants,	16.68
J. V. Bancroft, sprinkling,	370.00
Clifford Baylies, repairs,	2.50
F. S. Blanchard Co., year books,	15.00
F. S. Brightman Co., office fixtures,	27.05
Bristol County, board of truants,	689.88
Bristol County House of Correction, board,	14.43
E. C. Brown, gas directory,	5.00
T. S. Buck Co., stamps and pads,	28.87
Chamberlain Co., metal weather strips,	26.95
Church & Hammond, toilet supplies,	7.05
City Clerk, office expenses,	101.35
City Treasurer, office expenses,	25.53
Coggeshall, Maxfield & Co., tin trunk,	1.50
A. B. Collins, recording deeds,	7.25
Charles H. Cragen, use of boat,	52.00
D. H. De Moranville, carting,	1.50
De Wolf & Vincent, cash box,	1.00
Charles Z. Douglass, services,	22.75
F. M. Douglass, hand brush,	1.00
John Duff, P. M., stamped paper,	216.50
Fidelity & Deposit Company of Maryland, charges,	282.00
First National Bank, charges,	18.00
Paul Gagne, teaming,	170.50
W. A. Greenough & Co., directories,	44.00
Hammond Typewriter Co., exchange and supplies,	67.80
Handy Telephone Index Co., index books,	7.00
Hatch & Co., express charges,	7.25
Charles R. Hathaway, expenses,	20.50
Haskell & Tripp, towels,	5.72
N. P. Hayes, repair of shears,	.90
Highways and Streets, carting and labor,	28.95
Highways and Streets, trimming trees,	932.33
B. W. Huebsch, year book,	.50
H. S. Hutchinson & Co., book and a frame,	4.15
F. M. Jenkins, gas burners and fixtures,	1.90

W. L. Kelley, clock and repairs,	24.75
League of American Municipalities, dues,	40.00
A. F. Lewis Mfg. Co., bill files,	2 80
Walter B. Manny, adding machine and supplies,	379.75
Herbert Marr, typewriter ribbons,	6.00
John McCullough, waste,	.40
A. D. McMullen, carting,	31.75
Mechanics National Bank, charges,	6.75
Mercury Publishing Co., special printing,	48.25
National Shawmut Bank, charges,	20.00
N. B. Co-operative Express, charges,	29.70
N. B. Dry Goods Co., towels,	18.00
N. B. Gas & Edison Light Co., lighting,	3,772.38
N. B. Ice Co., ice,	97.49
N. Y., N. H. & H. R. R. Co., mileage,	260.00
N. B. Steam Carpet Beating Est., cleaning,	3.66
N. B. Rubber Co., mat,	2.75
John N. O'Brien, carting,	165.00
W. M. Olin, secretary, advance sheets,	1.00
William P. Peirce, plant decorations,	25.00
A. D. Piper, laundry,	8.60
A. D. Piper, care of mayor's office,	12.00
C. B. Piper, laundry,	54.95
C. B. Piper, care mayor's office,	8.00
D. M. Piper, care City Hall,	16.00
Remington Typewriter Co., repairs,	1.70
W. H. B. Remington, paid labor,	20.50
Republican Co., index,	2 00
Ruggles & Ellison, towels,	3.00
Sampson, Murdock & Co., directories,	10.50
Mortimer Searles, rubber stamps,	1.70
James Slater, decorating,	125.00
F. R. Slocum Co., furnishings and repairs,	572.05
Henry Smith, committing truants,	12.85
Soule Co., decorating,	20.00
So. Mass. Telephone Co., service and tolls,	1,018.29
J. V. Spare Dry Goods Co., cloth,	.12
D. J. Sullivan, clock repairs,	1.50
D. J. Sullivan, pitcher,	23.00
Robert W. Taber, sundries,	1 45
Joseph G. Tirrell, photograph,	1.50

AUDITOR'S REPORT.

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Typewriter Exchange, typewriter,	25.00	
Union Street Railway Co., car tickets,	95.00	
F. A. Vokes, lunches,	2.25	
W. U. Telegraph Co., service,	5.03	
W. U. Telegraph Co., sounder service,	27.50	
C. F. Wing, furniture, rent and repairs,	24.99	
Wood, Brightman & Co., gas mantles,	.90	
Yale & Towne Mfg. Co., care of time lock,	15.00	\$10,980 80

 \$33,005 38

To transfer to balance,

1,994 62

 \$35,000.00

CR.

By appropriation,

 \$35,000.00

INCIDENTALS, MEMORIAL DAY.

DR.

E. Anthony & Sons, advertising and printing,	\$85.00	
Cumberland Naval Veterans Association,		
appropriation,	50.00	
D. H. De Moranville, barge hire,	10.00	
Thomas J. Gifford & Co., barge and horse hire		
and labor,	30.00	
Gray & Sullivan, band music,	110.00	
Captain Charles Vernon Gridley Camp, No. 19,		
L. S. W. V., appropriation,	25.00	
George Hill, band music,	110.00	
Mercury Publishing Co., advertising and		
printing,	101 47	
C. H. Murphy & Son, carriage hire and carting,	82.00	
New Bedford Band, music,	110.00	
N. B. High School Drum Corps, music,	22.00	
Alexander O. Pierce, stock and labor,	55.53	
Union Veteran Legion, Encampment No. 10,		
appropriation,	50.00	
Edward E. Wright, flags,	34.00	\$875.00

CR.

By transfers from unappropriated funds,	<u>\$875.00</u>
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ISOLATION HOSPITAL.

CR.

By special appropriation,	<u>\$27,724.00</u>
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CR.

December 7, 1903. Balance,	<u>\$27,724.00</u>
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LAND DAMAGES, WIDENING ACUSHNET
AVENUE, FROM HOWARD AVENUE
TO LUND'S CORNER, No. 4.

DR.

To transfer to balance,	<u>\$1,582.92</u>
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CR.

December 1, 1902. By balance,	<u>\$1,582.92</u>
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LAND DAMAGES, LAYOUT OF LINDEN COURT.

DR.

Stanislaus Desautels,	<u>\$300.00</u>
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CR.

December 1, 1902. By balance,	<u>\$300.00</u>
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LAND DAMAGES AND OTHER EXPENSES
INCURRED IN THE WIDENING OF
PENNIMAN STREET FROM COUNTY STREET,
WESTERLY.

DR.

George J. Dodge, carpentering,	\$160.39	
George H. McCarthy, plumbing,	171.85	
F. Hathaway, moving buildings,	233.44	
Highways and Streets, stock, labor and teaming,	13.02	
N. B. Water Works, labor and material,	9.37	
Charles S. Paisler, drain pipe,	3.36	
Daniel C. and Hetty Sullivan, damages,	90.00	\$681 43
To transfer to balance,		11 57
		<u>\$693.00</u>

CR.

By special appropriations,	<u>\$693 00</u>
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LAND DAMAGES, REYNOLDS STREET,
PECKHAM STREET TO ADAMS STREET, No. 1.

DR.

Joseph C. Janson,	<u>\$600 00</u>
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CR.

December 1, 1902. By balance,	<u>\$600.00</u>
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LAND DAMAGES, REYNOLDS STREET,
PECKHAM STREET TO ADAMS STREET, No. 2.

DR.

Joseph C. Janson,	<u>\$200.00</u>
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CR.

By special appropriation,

\$200.00

LICENSE COMMISSION.

DR.

E. Anthony & Sons, advertising,	\$106.50	
Ida B. Maxfield, clerical services,	312.00	
Mercury Publishing Co., advertising,	67.74	
" " " printing,	20.00	
" " " envelopes and		
printing,	11.60	
" " " subscription,	6.00	
C. H. Murphy & Son, carriage hire,	5.00	
Sherman & Perry, carriage hire,	8.00	
Frank M. Sparrow, chairman, disbursements,	5.45	\$542.29
To transfer to balance,		\$457.71
		<u>\$1,000.00</u>

CR.

By appropriation,

\$1,000.00

LIGHTING THE STREETS.

DR.

Acushnet Iron Co., posts,	\$336.00	
Kirby & Hicks, carriage hire,	3.00	
David Metthe, carriage hire,	14.00	
N. B. Gas & Edison Light Co., electric arc		
lights,	20,823.94	
N. B. Gas & Edison Light Co., gas lights,	20,969.65	
N. B. Gas & Edison Light Co., incandescent		
electric lights,	1,491.46	
N. B. Gas & Edison Light Co., naphtha lights,	15,780.64	
N. B. Gas & Edison Light Co., labor,	5 10	\$59,423.79
To transfer to balance,		2,576.21
		<u>\$62,000.00</u>

CR.

By appropriation,

\$62,000.00NEW BEDFORD SCHOOL COMMITTEE,
HOWLAND FUND.

DR.

Allen's Express,	\$2.75
American Book Co.,	401.17
D. Appleton & Co.,	44.14
Edward E. Babb & Co.,	50.60
Earl Barnes,	1.50
Boston Normal School of Gymnastics,	2.20
Milton Bradley Co ,	2.96
P. P. Caproni & Brother,	45.26
Century Co.,	22.50
A. B. Crowell,	157.69
Dodd, Mead & Co.,	106.50
Mary E. Donovan,	1.25
Educational Publishing Co.,	84.91
Educational Review,	3.00
Ginn & Co.,	184.97
F. W. Grumiaux's Newspaper Agency,	2.25
J. L. Hammett Co.,	.50
William Beverly Harrison,	7.20
Hatch & Co.,	1.70
D. C. Heath & Co.,	93.88
Hillman, Washburn & Co.,	1.75
Henry Holt & Co.,	10.67
Houghton, Mifflin & Co.,	109.79
H. S. Hutchinson & Co.,	16.16
William A. Jennings,	.50
Catherine F. Johnson,	14.00
Lee & Shepard,	12.00
J. B. Lippincott Co.,	6.40
Longman's, Green & Co.,	117.60
Perry Mason & Co.,	91.38
Mercury Publishing Co.,	1.25

G. & C. Merriam Co.,	114.25	
Morse Co.,	115.51	
New England Publishing Co.,	5.00	
George Peirce,	196.50	
William H. Pierce & Co.,	69.40	
Rand, McNally & Co.,	8.64	
Fleming H. Revell Co.,	7.30	
Ruggles & Ellison,	25.66	
Charles Scribner's Sons,	14.62	
Silver, Burdett & Co.,	58.65	
Robert W. Taber,	39.30	
Ada W. Tillinghast,	2.25	
John Wanamaker,	58.00	
J. Smithsonian Wright,	22.63	\$2,336.14
December 7, 1903. To balance,		2,195.54
		<u>\$4,531.68</u>

CR.

December 1, 1902. By balance,	\$1,531.68	
Receipts as per Treasurer's reports,	3,000.00	\$4,531.68
		<u></u>

CR.

December 7, 1903. Balance,	<u>\$2,195.54</u>
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NEW BEDFORD SCHOOL COMMITTEE,
JONATHAN BOURNE PRIZE FUND.

DR.

William F. Hatch, superintendent, cash for prizes,	<u>\$60.00</u>
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CR.

Receipts as per Treasurer's reports,	<u>\$60.00</u>
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NEW BEDFORD WATER WORKS.

DR.

To expenditures as certified by the New Bedford Water Board,	\$167,727.73	
December 7, 1903. To balance,	4,696.37	<u>\$172,424.10</u>

CR.

December 1, 1902. By balance,	\$20,584.46	
By appropriation,	12,000.00	
Receipts as per Treasurer's reports,	139,839.64	<u>\$172,424.10</u>

CR.

December 7, 1903. Balance,	<u>\$4,696.37</u>
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NEW BEDFORD WATER WORKS,
FURTHER WATER SUPPLY.

DR.

New Bedford Water Works,	<u>\$3,178.40</u>
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CR.

December 1, 1902. By balance,	<u>\$3,178.40</u>
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PARK COMMISSION.

DR.

Pay rolls,	\$25,443.13	
Animal supplies :—		
Albert C. Braley,	\$35.43	
Charles H. Brownell & Son,	18.80	

Central Union Association,	16.85	
H. J. Fredette,	362.54	
J. Frank Kirk,	19.71	
Lawrence & Davis,	8.75	
Mortimer McCarthy,	18.98	
John Notter,	277.80	
Isaac C. Sherman & Son,	154.33	
E. C. Taber,	471.01	
W. H. Winslow,	20.90	\$1,405.10

Dressing : —

Patrick Connors,	\$87.00	
James Duddy,	134.66	
David Duff & Son,	157.21	
H. J. Fredette,	75.65	
E. H. Haskins,	12.43	
Thomas Hersom & Co.,	24.65	\$491.60

Hardware and tools : —

Bliss & Nye,	\$20.19	
William P. Butler,	106.09	
De Wolf & Vincent,	217.47	
H. L. Donaghy,	3.95	
H. J. Fredette,	2.00	
Samuel Gratto,	1.60	
N. P. Hayes,	121.06	
Hillman, Washburn & Co.,	45.67	
Perry P. Jenney & Son,	24.08	
E. T. Lee,	4.50	
N. B. Cordage Co.,	5.72	
A. H. Wordell,	8.80	\$561.13

Labor and material : —

George J. Allen & Co.,	\$21.66	
Babbitt, Wood & Co.,	6.27	
Peter Black,	28.67	
Blossom Brothers,	6.80	
William P. Briggs,	2.00	
William H. Caswell,	164.45	
William F. Desmond,	11.82	
E. M. Durfee,	44.09	
George E. Hatch,	33.04	
M. A. Hickey,	166.89	

AUDITOR'S REPORT.

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Highways and Streets,	124.87	
J. L. G. Mason,	10.60	
John J. Meaney,	924.99	
T. J. Moriarty,	232.38	
Charles A. Mosher,	202.17	
John V. O'Neil,	19.35	
Charles E. Peirce,	203.52	
C. R. Sherman & Son,	.30	
H. McB. Smith,	77.22	
William F. Sturtevant,	82.52	
Wood, Brightman & Co.,	17.09	\$2,380.70

Plants, seeds and shrubs : —

William S. Brown,	\$315.13	
Elizabeth Nursery Co.,	194.25	
F. C. Heinemann,	8.71	
Peter Henderson,	18.06	
Lewis Brothers,	52.50	
William H. Moore Co.,	182.50	
N. Y. Market Gardeners Association,	32.00	
Charles N. Riley,	49.20	
Frederick Roemer,	26.67	
J. M. Thorburn & Co.,	102.22	
Wood, Stubbs & Co.,	81.25	
A. H. Wordell,	6.25	\$1,068.74

Supplies : —

Bliss & Nye,	\$8.05	
William P. Butler,	7.90	
F. M. Douglass,	97.50	
D. Duff & Son,	154.50	
William M. Higham,	3.40	
India Alkali Works,	6.89	
T. J. Moriarty,	20.16	
James A. Murphy,	1.50	
S. S. Paine & Brother,	49.08	
A. W. Perkins & Co.,	4.32	
Smith & Murphy,	42.78	
E. C. Ware,	14.25	\$410.33

Miscellaneous : —

Henry C. Allen, paving stone,	\$8.59
American Florist Co., subscription,	1.00

American Gardening, subscription,	1.50
Thomas L. Andrews, sawing wood,	8.13
Isaac L. Ashley, carriage hire,	21.50
William Bartels, two elk,	150.00
Belmont Iron Works, fencing and lamps,	955.05
Clara Bennett, rent,	240.00
Bliss & Nye, door mats,	4 00
H. T. Borden & Co., sawing wood,	2.50
J. F. Chipman, keeper, disbursements,	3.55
A. E. Coffin Press, printing,	408.35
John Connors, teaming,	36.00
Patrick Connors, teaming,	319.50
Edward H. Cook, services,	10.00
Frederick B. Cook, services,	36.00
T. W. Cook, superintendent, disbursements,	20.00
Thomas W. Croacher, lumber,	15.37
C. F. Cushing, straps,	2.50
D. H. De Moranville, carting,	.54
David Duff & Son, teaming,	507.00
H. J. Fredette, paving stone,	10.37
E. H. Gammons, clearing vaults,	12 00
C. A. Gray & Co., freight and carting,	18.50
W. A. Greenough & Co., directory,	4.00
R. J. Haight, subscription,	2.00
Julia E. Haskell, land,	3,200.00
Hatch & Co., express,	1.85
H. S. Hutchinson, books and stationery,	9.98
Perry P. Jenney & Son, settees,	265.63
W. L. Kelley, clock repairs,	1.50
Macy & Brownell, gravel,	20.70
Masonic Building Association, rent,	250.00
Mercury Publishing Co., subscription,	6.00
J. L. Mott Iron Works Co., repairs,	6.50
Municipal Journal and Engineer, subscriptions,	6.00
C. H. Murphy & Son, use of team,	368.00
Narragansett Machine Co., apparatus,	402.45
N. B. Gas & Edison Light Co., lighting,	429.73
N. B. Steam Laundry Co., laundry,	2.06
N. B. Teaming Co., clearing snow,	5.50
N. Y., N. H. & H. R. R. Co., freight,	.27
H. B. Remington, use of team,	52.50
James Slater, flags,	24 50

AUDITOR'S REPORT.

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F. R. Slocum Co., desk and chairs,	29.75	
So. Mass. Telephone Co., service and tolls,	40.40	
F. A. Stowell, paving stone,	36.63	
Sullivan & Markey, books and binding,	62.00	
D. J. Sullivan, clock repairs,	8 00	
Manuel Sylvia, carting,	1.25	
R. W. Taber, books and stationery,	8.95	
Joseph G. Tirrell, photographs,	26.00	
Thomas B. Tripp, land,	2,000.00	
Thomas B. Tripp, land rent,	109.37	
Union Street Railway Co., car tickets,	40.00	
William S. White, storage,	5.00	
Charles F. Wing, furniture and repairs,	13.13	
R. H. Woodhouse, care Triangle park,	50 00	\$10,281 60
		<u>\$42,042.33</u>
To transfer to balance,		4.67
		<u>\$42,047.00</u>

CR.

By appropriation,	\$25,000.00	
By special appropriations,	17,000.00	
Receipts as per Treasurer's reports,	47.00	\$42,047.00

PARKER STREET SCHOOL, ADDITIONS AND ALTERATIONS.

DR.

John B. Sullivan & Son,	\$4,495.17
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CR.

December 1, 1902. By balance,	\$1,067.60	
By special appropriation,	3,427 57	\$4,495 17

PARKER STREET SCHOOL, HEATING AND VENTILATING.

DR.

A. A. Sanborn,	<u>\$1,153.00</u>
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CR.

December 1, 1902. By balance,	<u>\$1,153.00</u>
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PARKER STREET SCHOOL, REFURNISHING.

DR.

Bliss & Nye,	\$10.94	
George A. Bosworth,	433.01	
A. B. Crowell,	7.50	
De Wolf & Vincent,	.75	
D. Herbert Cook,	35.00	
Crawford L. Dunham,	83.81	
Charles F. Gilbert,	5.00	
Thomas Holloway,	6.40	
William A. Jennings,	45.50	
Jordan, Marsh Co.,	18.90	
William L. Kelley,	15.00	
N. B. Boiler & Machine Co.,	14.90	
N. B. Gas & Edison Light Co.,	63.80	
Henry T. Phillips,	5.00	
William R. West,	258.33	
Charles F. Wing,	362.24	\$1,366.08
To transfer to balance,		<u>1,014.25</u>
		<u>\$2,380.33</u>

CR.

December 1, 1902. By balance,	<u>\$2,380.33</u>
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PINGREE PLAN FOR THE BENEFIT OF THE POOR AND UNEMPLOYED.

Dr.

Fertilizers : —		
Lawrence & Davis,	\$47.40	
John Notter,	31.25	
A. H. Wordell,	143.00	\$221.65
Plants and seeds : —		
William F. Chase,	\$10.44	
Lawrence & Davis,	77.00	
C. H. & H. A. Lawton Co.,	65.15	
John Notter,	27.50	
John A. Wood & Co.,	50.00	
A. H. Wordell,	5.00	\$235.09
Ploughing and harrowing : —		
Mortimer McCarty,	\$15.75	
A. W. Perkins & Co.,	81.00	\$96.75
Miscellaneous : —		
E. Anthony & Sons, advertising,	\$1.50	
William F. Chase, superintendence,	500.00	
Mercury Publishing Co., advertising and printing,	6.00	
Loum Snow, Trustee, land rent,	152.10	\$659.60
		<u>\$1,213.09</u>

Cr.

By appropriation,	\$1,200.00	
By transfer to balance,	13.09	<u>\$1,213.09</u>

PLANS AND SPECIFICATIONS FOR A PROPOSED NEW HIGH SCHOOL ON THE MORGAN LOT.

Dr.

Samuel C. Hunt, architect,	<u>\$23,772.87</u>
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CR.

By special appropriation,

\$23,772.87

POLICE DEPARTMENT.

DR.

Pay rolls :—

Officers, patrolmen, housekeepers, etc.,		\$109,733.17
Reserve police,	\$3,129.80	
Special police,	247.60	
Quarantine police,	1,465.75	\$4,843.15

Committing prisoners :—

Lemuel D. Adams,	\$136.40	
Willis C. Underwood,	5.80	
James A. Wixon,	10.35	\$152.55

Fuel :—

H. T. Borden,	\$18.50	
City Coal Co.,	184.11	
City Mission Industrial Department,	41.50	
Denison Brothers Co.,	418.51	
David Duff & Son,	159.55	
Albert W. Holmes,	385.72	
J. Henry Peirce, agent,	3.50	\$1,211.39

Personal services :—

George Barnes, M. D.,	\$5.00	
J. A. Bernier, M. D.,	1.00	
Sara V. Brownell, assistant matron,	24.57	
Charles H. Chase, finding body,	5.00	
Manuel F. George, Jr., boatman,	550.00	
H. C. Kirby, M. D.,	5.00	
C. J. Leary, M. D.,	3.00	
M. V. Sylvia, M. D.,	5.00	
Henry N. West, clerk,	780.00	
James L. Wilber, keeper of lockup,	100.00	\$1,478.57

Police signal system :—

William Baylies,	\$159.00	
F. S. Brightman Co.,	111.72	
W. R. Brixey,	83.00	
Joseph T. Brownell,	12.96	
William Cronin & Co.,	62.88	
W. E. Decrow,	92.49	
Henry H. Dews,	16.50	
Mitch H. Gagner,	99.50	
Perry P. Jenney & Son,	21.50	
J. Frank Kirk,	196.14	
A. J. Manchester,	109.35	
E. F. Penney,	14.35	
D. T. Rooney,	6.00	\$985.39

Stock and labor :—

F. T. Akin & Co.,	\$3.45	
Babbitt, Wood & Co.,	7.38	
William P. Briggs,	16.00	
William H. Caswell,	91.13	
Coggeshall, Maxfield & Co.,	5.10	
Fred C. Dawe & Co.,	15.70	
Adolf Dufrane,	2.25	
C. L. Dunham,	36.16	
Thomas J. Gifford & Co.,	21.70	
T. M. Hart & Co.,	96.68	
D. L. Hathaway & Son,	36.85	
James G. Hellyer,	15.95	
Jenney & Buffington,	28.65	
Perry P. Jenney & Son,	37.94	
N. B. Boiler & Mch. Co.,	1.20	
N. B. Gas & Edison Light Co.,	121.25	
Pairpoint Mfg. Co.,	14.50	
E. F. Penney,	46.98	
A. P. Pope & Co.,	7.12	
George D. Richards,	4.75	
C. R. Sherman & Son,	16.30	
Manuel E. Sylvia,	256.61	\$883.65

Supplies :—

Amyl-Kijo Chemical Co.,	\$26.25
Boston Beef Co.,	130.11
Sarah M. Brownell,	112.20

John Chicoine,	5.25	
Harry M. Church,	1.00	
P. B. Demers,	7.50	
George A. Eggers,	.40	
D. Evans & Co.,	12.17	
D. B. Folger,	92.35	
Goldina Mfg. Co.,	6.00	
Thomas Hersom & Co.,	4.80	
C. H. & H. A. Lawton Co.,	14.80	
C. W. Lerner & Co.,	16.25	
M. F. Plummer,	8.25	
Schuler Brothers,	3.88	
George Thomas,	33.55	
Charles H. Tripp,	26.60	
S. Whitlow Corp.,	19.98	
Wood, Brightman & Co.,	8.84	\$530 18

Miscellaneous :—

Aborn the Hatter, metal wreaths,	\$12.00
E. Anthony & Sons, advertising,	1.92
E. Anthony & Sons, subscription,	6.00
Isaac L. Ashley, carriage hire,	22.25
Automatic Telephone Co., rentals,	103.34
J. V. Bancroft, sprinkling,	41.00
Bent & Bush, insignia,	12.40
F. S. Blanchard Co., year book,	3.00
Bliss & Nye, sundries,	21.89
E. C. Boulter, brushes,	18.00
F. S. Brightman Co., paper, etc.,	13.25
George L. Briggs, newspapers,	20.10
Sarah M. Brownell, labor and laundry,	38.52
City Steam Laundry, laundry,	39.50
A. E. Coffin Press, printing,	10.10
W. H. Collins & Co., books,	28.00
Charles R. Cornell, carriage hire,	1.40
De Wolf & Vincent, hardware and sundries,	2.70
Thomas Fay, lieutenant, expenses,	7.70
S. A. French & Co., badges and whistles,	17.48
George E. Gendron, inspector, expenses,	34.55
William A. Greenough & Co., directories,	28.00
Hatch & Co., express,	3.45
Edward R. Hathaway, lamps,	14.00
Franklin L. Hathaway, inspector, expenses,	19.05

AUDITOR'S REPORT.

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Mary A. Henderson, cleaning,	9.00	
Highways and Streets, carting,	10.55	
Hillman, Washburn & Co., hardware and sundries,	54.82	
Household Furnishing Co., cuspidors,	2.25	
Iver Johnson Co., lamps and revolver,	16.25	
George Kruse, photographs,	4.00	
L'Independant Publishing Co., advertising,	1.25	
Henry W. Mason, chief, disbursements,	110.48	
Mercury Publishing Co., advertising and printing,	69.00	
Mercury Publishing Co., subscription,	6.00	
Milwaukee Dustless Brush Co., brushes,	6.50	
N. B. Gas & Edison Light Co., lighting,	513.95	
N. B. Rubber Co., aprons,	1.50	
N. B. Steam Carpet Beating Est., cleaning,	2.54	
Oak Hall Clothing Co., cloth,	6.00	
Partridge & Co., surgical instruments,	14.58	
E. H. Shaw & Co., sundries,	1.55	
Frank C. Smith, boat,	65.00	
So. Mass. Telephone Co., service and tolls,	144.87	
J. V. Spare Dry Goods Co., bedding,	23.00	
Sullivan & Markey, binding,	2.00	
D. J. Sullivan, repairs,	1.75	
M. C. Swift, lace and uniform repairs,	53.57	
R. W. Taber, books and stationery,	67.29	
A. C. Tripp, bicycle repairs,	2.50	
Viall & Cook, rent women's lockup,	216.71	
Wendell, Fay & Co., uniform cloth,	259.83	
Charles F. Wing, furniture and repairs,	63.53	
Robert Woolfenden, laundry,	107.10	\$2,361.97
		<u>\$122,180.02</u>

CR.

By appropriation,	\$112,000.00	
Receipts as per Treasurer's reports,	7,948.87	\$119,948.87
Transfer to balance,		2,231.15
		<u>\$122,180.02</u>

POOR DEPARTMENT.

DR.

Almshouse : —

Almshouse help, wages,	\$10,034.94
Acushnet Co-operative Association,	
groceries and provisions,	2,012.77
F. T. Akin & Co., coal,	605.86
F. T. Akin & Co., paint supplies,	205.33
James T. Almy, repairs,	.50
E. Anthony & Sons, subscription,	6.00
E. C. Ashley, fire wood and sawdust,	164.17
I. L. Ashley, one horse,	150.00
I. L. Ashley, horse hire and keeping,	208.00
Ashley & Peirce, clothing and furnishings,	177.14
Automatic Telephone Co., rentals,	42.00
John W. Bannister, meat,	637.08
John B. Baylies, brooms, pails, etc.,	189.45
William Baylies, flour, grain and groceries,	902.60
Belcher & Taylor Co., plow,	7.88
James E. Blake, seed,	8.54
H. A. Blackmer, trusses and bandages,	50.50
Bliss & Nye, crockery, glass, etc.,	132.50
Abram Boomer, carriage repairs,	49.25
Bowman & Co., coffee and tea,	147.98
Bowman & Vaughan, molasses, rice and tobacco,	295.92
Henry M. Brett, soap,	128.12
Bristol-Myers Co., chemicals and medicines,	58.00
F. S. Brightman Co., stationery,	2.30
E. C. Brownell, fish and meat,	693.28
Geo. L. Brownell estate, carriage repairs,	195.19
Buchell Shoe House, rubber boots,	24.50
Butcher's Rendering Co., soap,	12.00
Central Union Association, seed,	4.94
Chamberlain Metal Weather Strip Co., weather strips,	41.70
C. W. Chase, meat and fish,	208.22
A. E. Coffin Press, printing,	10.00
C. F. Cushing, oil,	1.00
J. Davis & Co., shoes and rubbers,	161.65

D. H. De Moranville, freight and carting,	6.97
Denison Brothers Co., coal,	803.30
Denison, Plummer Co., grain,	10.10
De Wolf & Vincent, knives,	5.00
Henry H. Dews, services and medicines,	14.50
J. S. Dick, dry goods and notions,	260.01
George J. Dodge, stock and labor,	72.86
H. L. Donaghy, carts and smithing,	234.50
Thomas Donaghy, footwear and findings,	108.56
F. M. Douglass, drugs and chemicals,	64.85
Driscoll, Church & Hall, groceries,	408.92
David Duff & Son, coal,	1,171.24
Egan & Co., dry goods,	46.94
P. M. Frank Co., carbolene,	100.05
F. A. Frates, harness, repairs and furnishings,	354.70
Fichtenmayer & Flynn, blacksmithing,	163.67
N. T. Fuller, blacksmithing,	4.05
Globe-Wernicke Co., index case and cards,	9.15
Greene & Wood, lumber,	112.25
Hammond Co., typewriter shuttle,	2.52
Jonathan Handy Co., hardware,	21.49
John A. Harrington, labor,	2.00
T. M. Hart & Co., boat findings,	4.48
L. E. Hathaway, wagon shafts,	2.50
W. E. Hathaway, grain,	217.30
E. V. Hazzard, carriage painting,	24.00
Thomas Hersom & Co., oil,	1.00
M. A. Hickey, stock and labor,	15.25
W. M. Higham, drugs and chemicals,	21.75
Hillman, Washburn & Co., hardware and tools,	272.32
A. W. Holmes, coal,	707.97
Household Furniture Co., shades,	75.60
A. H. Howland, agent, liquor,	218.50
Henrietta Humphrey, services,	65.00
P. P. Jenney & Son, repairing tools,	1.00
W. L. Kelley, clocks, spectacles and repairs,	16.90
J. Frank Kirk, hay and grain,	147.20
Knight & Thomas, fire extinguishers,	72.00
John B. Larochele, blacksmithing,	1.50
C. H. & H. A. Lawton Co., seed,	11.89

Roland Macy, cleaning and repairs,	36.90
Michael McNamee, painting,	134.40
Mercury Publishing Co., subscription,	6.00
Miller & Hook, plastering,	61.92
Mills Tea & Coffee Co., coffee,	96.00
E. L. Moriarty & Co., drugs and chemicals,	280.71
T. J. Moriarty, stock and labor,	29.05
John N. Morris, labor,	405.60
C. W. H. Moulton & Co., ladders,	19.04
Nelson Brothers, whitewashing,	70.00
N. B. Fire Department, dressing,	200.00
N. B. Furniture Co., bedding, carpets and furniture,	271.62
N. B. Foundry and Machine Co., repairs,	49.16
N. B. Gas & Edison Light Co., fixtures and labor,	107.56
N. B. Gas & Edison Light Co., lighting,	766.99
N. B. Ice Co., ice,	81.96
N. B. Rubber Co., blankets and packing,	26.56
N. B. Teaming Co., freight and carting,	13.91
N. Y., N. H. & H. R. R. Co., freight,	90
John Notter, fertilizer and seed,	162.85
Charles S. Paisler, cement, pipe and plaster,	66.05
James E. Pease, dentistry,	4.00
Pease & Dandurand, drugs and chemicals,	21.21
Samuel S. Peckham, plants,	41.50
E. F. Penney, stoves, fitting and supplies,	73.01
E. F. Penney, plumbing,	40.25
G. & L. Poisson, clothing and furnishings,	52.25
W. F. Potter & Co., groceries and provisions,	980.33
C. G. & G. A. Randall, lumber,	14.90
William H. Rankin, steam fitting,	276.79
Leander Reed, plants,	16.45
Remington Typewriter Co., supplies,	6.00
Herbert C. Reynolds, tools grinder,	7.50
Richmond & Co., yeast,	25.59
A. Robinson, snuff and tobacco,	101.40
Ruggles & Ellison, furnishings,	31.66
Sanitas Co., soap and disinfectant,	26.50
C. R. Sherman & Son, stock and labor,	89.65

I. C. Sherman & Son, seed,	16.37	
Singer Mfg. Co., repairs and supplies,	7.61	
James Slater, flags,	12.25	
Smith & Murphy, drugs and chemicals,	150.96	
So. Mass. Telephone Co., service and tolls,	72.99	
J. V. Spare Dry Goods Co., dry goods and notions,	246.23	
George H. Spooner, wood,	48.00	
John P. Squire & Co., pork,	22.50	
Steiger, Dudgeon Co., furnishings,	40.82	
M. C. Swift & Co., clothing,	3.00	
R. W. Taber, books and stationery,	41.54	
James P. Taylor, drugs and chemicals,	358.89	
R. R. Topham, clerical services,	150.00	
Typewriter Exchange, fixture,	3.50	
Union Street Railway Co., car tickets,	17.00	
W. U. Telegraph Co., service,	.25	
A. G. Wilbor, flour,	224.95	
E. Williams, chaplain,	156.00	
Charles F. Wing, bedding, furniture and furnishings,	357.07	
Thomas G. Wing, chemicals,	3.60	
Wood, Brightman & Co., stoves and fittings,	222.99	
A. H. Wordell, fertilizer, seed and tools,	244.84	
J. K. Wright, clock repairs,	3.00	
Yawman & Erbe Mfg. Co., cards,	2.65	
F. L. Young & Kimball, oil,	15.90	\$30,542.18

Burials :—

Robert G. Bennett,	\$95.00	
Joseph Carrier,	56.00	
Vital Girard,	135.00	
E. R. Gravel,	99.00	
A. P. Lagesse,	38.00	
John E. Moriarty,	75.00	
T. J. Murphy,	64.00	
John Rogers,	228.00	
J. D. Sullivan,	101.00	
Weston C. Vaughan, Jr.,	85.00	
Joseph S. Williams,	390.00	
E. T. Wilson & Son,	291.00	\$1,657.00

Cities and towns :—

Attleboro,	\$134.15	
Boston,	79.00	
Dartmouth,	192.50	
Fairhaven,	420.80	
Fall River,	72.85	
Freetown,	26.00	
Hanson,	111.90	
Lakeville,	30.75	
Lawrence,	37.00	
Mansfield,	162.00	
Middleboro,	7.25	
Nantucket,	48.00	
Springfield,	4.73	
Westport,	30.00	
Worcester,	11.00	\$1,367.93

Grocery orders :—

Acushnet Co-operative Association,	\$311.50
George L. Adams,	14.00
A. G. Alley, jr.,	187.00
William Armitage,	142.50
J. B. Ashley, jr.,	137.00
J. C. Austin,	29.50
D. W. Baker,	114.00
John W. Bannister,	328.50
W. F. Barker,	1.50
J. W. Bates & Co.,	260.50
Lot B. Bates,	112.00
William Baylies,	758.00
Bolduc & Langlois,	82.60
Arthur H. Borden,	78.00
Boston Beef Co.,	1,111.00
Braley & Duckworth,	20.00
Albert C. Braley,	72.00
J. W. Braley, jr.,	63.00
E. T. Brightman,	7.50
David Bromley,	102.00
C. H. Brownell & Son,	855.50
Thomas Burgess & Son,	41.50
William Burke,	37.00
A. M. Burns,	24.00
Central Union Association,	451.00

William L. Chadwick,	56.00
E. T. Chapman & Co.,	2.00
W. H. Chappel estate,	6.00
C. W. Chase,	88.50
Aldege Chausse,	26.00
Joseph Chausse,	152.40
Cook & Nightingale,	10.50
John H. Cook,	48.00
Coxen & Tripp,	91.25
Serafino Cruz,	2.00
Cushman Brothers,	1.50
Fred A. Dammon,	91.50
Charles M. Davenport,	6.00
James Davidson,	12.00
S. Desautels,	81.00
P. Dion,	2.00
Driscoll, Church & Hall,	2,222.60
Eureka Cash Store,	6.00
D. B. Folger,	416.00
J. B. Garcia,	20.00
Henry Gatie,	79.50
D. A. Gauthier,	6.00
German & Bohemian Co-operative Association,	96.00
Joseph Gomez,	4.00
F. Goulet,	3.50
John Greenwood,	74.00
Harrington Cash Store,	36.00
John S. Harrington,	19.00
S. Harrison & Son,	15.00
W. E. Hathaway,	8.00
Benjamin Hebert,	81.50
Herbert W. Hirst,	158.00
Roland Holcomb,	5.00
George W. Horton,	1.50
J. L. Humphrey, jr.,	4.00
Frank Hurd,	4.00
Walter F. Jenney,	91.00
Jette & Hebert,	25.00
Charles H. Kenyon,	1.50
Joseph Koula,	3.00
Lacroix Brothers,	10.50
Jesse Law,	51.00

Frank F. Lee,	15.00
John H. Lowe,	32.00
W. T. Luce, jr.,	113.00
W. Lussier,	13.50
Mailloux & Trembly,	6.00
James A. McHugh,	12.00
C. E. Mello,	48.00
Adhema Metthe,	13.50
L. E. Milliken & Co.,	636.00
William T. Moncrieff,	38.50
John Morris,	8.00
Thomas J. Murphy,	34.50
National Biscuit Co.,	16.50
N. B. Public Market,	90.00
Louis Nisson,	50.00
John Notter,	104.00
Alfred Nye,	72.00
William Ogden,	4.00
Alfred Owen,	36.00
Palazez & Buba,	10.00
R. W. Pease & Co.,	22.00
A. E. Perry & Co.,	154.00
William A. Perry,	59.00
C. B. Phillips,	14.50
Reuben Phillips,	3.00
Charles A. Poirier,	66.00
Joseph P. Ponte,	89.50
William F. Potter & Co.,	595.00
John F. Riley,	137.00
Daniel Robinson,	138.00
J. C. Robertson,	128.00
David Rose,	18.00
Joseph Rutowski,	3.00
Peter J. Ryan,	54.00
Samuel Seabury,	52.00
Morris Shapira,	50.00
E. S. Silvester,	98.00
William Souza,	34.50
George B. Stafford,	85.50
A. G. Stanton,	33.00
Sylvia & Andrews,	210.00
O. R. Taber & Son,	82.50
Thompson & Sweeney,	79.00

D. K. Tripp,	293.50	
Franklin H. Vinal,	79.50	
William Whittaker, jr.,	97.00	
Williams & Noia,	18.00	
J. & W. R. Wing & Co.,	6.00	
Israel Wollison,	6.00	
Thomas Wrigley,	168.50	
F. Zimmermann,	17.50	\$13,703.35

Physicians and medicines :—

George Barnes,	\$918.55	
H. A. Blackmer,	15.81	
Joseph A. Chausse,	255.55	
Joseph A. Frasier,	122.35	
A. A. Gordon,	.75	
William M. Higham,	5.83	
Alphonse Normandin,	101.45	
Nuttall's Pharmacy,	3.85	
Sarah E. Seabury,	3.00	
I. H. Shurtleff,	1.00	
N. A. Stanley,	.50	
Edward T. Tucker,	679.00	
E. M. Whitney,	4.00	\$2,111.64

Salaries :—

Ella F. Bucklyn, clerk,	\$815.62	
A. H. W. Carpenter, overseer and secretary,	1,000.00	
Charles S. Paisler, overseer,	150.00	
William H. Rankin, overseer,	150.00	
Antone H. Senna, interpreter,	815.62	
Augustus A. Wood, visitor,	815.62	\$3,746.86

State institutions :—

Commonwealth of Massachusetts,	\$179.15	
Hospital for Dipsomanics and Inebriates,	126.35	
Hospital for Epileptics,	819.93	
Medfield Insane Asylum,	3,144.00	
School for Feeble Minded,	847.25	
Taunton Insane Hospital,	11,054.75	
Westborough Insane Hospital,	419.69	
Worcester Insane Asylum,	169.46	\$16,760.58

Wood and coal yard : —

Andrew J. Ashley, superintendent,	\$547.75	
Automatic Telephone Co., rental,	18.00	
Bliss & Nye, can and lantern,	2.83	
George A. Cobb, wood,	87.75	
Coggeshall, Maxfield & Co., plumbing,	6.25	
E. Cournoyer, sawing wood,	20.00	
Denison Brothers Co., coal and wood,	1,571.69	
David Duff & Son, carting,	.90	
David Duff & Son, coal,	674.85	
Francis W. Hammond, repairs,	1.95	
Highways and Streets, carting,	778.13	
Percy E. James, plumbing,	2.68	
Perry P. Jenney & Son, tools and fitting,	28.55	
Leonard Keene, jr., wood,	17.88	
N. B. Teaming Co., wood,	15.63	
F. William Oesting, wood,	219.91	
James N. Peck, setting glass,	2.00	
W. A. Perry, sawing wood,	.30	
John A. Russell, wood,	160.75	
Stephen P. Sawyer, stock and labor,	2.00	
C. R. Sherman & Son, keys,	.90	
Clarence E. Westgate, wood,	86.00	\$4,246.70

Miscellaneous : —

E. Anthony & Sons, subscription,	\$6.00
Ashley & Peirce, clothing and furnishings,	45.60
Isaac L. Ashley, carriage hire,	5.85
Automatic Telephone Co., rental,	78.00
F. S. Blanchard & Co., year book,	3.00
Frank P. Bridges & Co., pens,	9.00
A. H. W. Carpenter, disbursements,	56.36
Joseph Chausse, agent, transportation,	47.50
City Treasurer, cash orders,	2,028.25
A. E. Coffin Press, printing,	48.35
W. H. Collins & Co., mounting maps,	2.50
C. S. & B. Cummings, soap and matches,	.97
P. Devoll & Son, shoes,	2.50
John Duff, P. M., stamped paper,	36.40
W. A. Greenough & Co., directory,	4.00
Haskell & Tripp, furnishings,	.25
W. M. Higham, supplies,	.70
Hobbs & Warren Co., blanks,	16.61

AUDITOR'S REPORT.

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James F. Hoyer, bond,	10.00	
P. P. Jenney & Son, fitting shears,	.35	
William L. Kelley, spectacles,	1.00	
E. V. Kendall, reporting,	10.00	
Joseph P. Kennedy, envelopes,	.70	
Mercury Publishing Co., printing,	7.00	
Mercury Publishing Co., subscription,	6.00	
N. B. Emergency Hospital, board,	447.35	
N. B. Gas & Edison Light Co., labor,	2.15	
N. B., M. V. & N. Steamboat Co., tickets,	1.60	
N. Y., N. H. & H. R. R. Co., transportation,	164.67	
Nuttall's Pharmacy, prescription,	1.05	
Old Colony Street Railway Co., tickets,	5.00	
J. Henry Peirce, carriage hire,	8.00	
W. H. & L. F. Peirce, carriage hire,	61.05	
Franklin M. Rand, office furniture,	58.81	
A. M. Rogers, agent, transportation,	15.00	
St. Luke's Hospital, board,	669.89	
St. Mary's Home, board,	52.00	
C. R. Sherman & Son, stock and labor,	3.45	
F. R. Slocum Co., furniture and repairs,	2.75	
J. V. Spare Dry Goods Co., dry goods and notions,	29.42	
So. Mass. Telephone Co., service and tolls,	86.12	
Sullivan & Markey, binding,	16.50	
M. C. Swift & Son, canvas,	1.05	
Robert W. Taber, books and stationery,	32.99	
Union Boot & Shoe Co., shoes and rubbers,	119.70	
Union Street Railway Co., car tickets,	25.00	\$4,230.44
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		\$78,366.68
To transfer to balance,		596.95
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		\$78,963.63

CR.

By appropriation,	\$60,000.00	
By special appropriation,	8,000.00	
Receipts as per Treasurer's reports,	10,963.63	\$78,963.63

PRINTING, BINDING AND STATIONERY.

DR.

E. Anthony & Sons, Incorp.,	\$5.40	
George L. Briggs,	5.00	
F. S. Brightman Co.,	362.23	
Carter's Ink Co.,	8.80	
Catholic Union Publishing Co.,	2 00	
A. E. Coffin Press,	904.15	
W. H. Collins & Co.,	47.50	
Federal Lithograph Co.,	65.00	
Globe-Wernick Co.,	11.70	
Hammond Typewriter Co.,	7.37	
Hobbs & Warren Co.,	98.79	
H. S. Hutchinson & Co.,	.25	
Library Bureau,	37.85	
Mercury Publishing Co.,	656 50	
Remington Typewriter Co.,	141.80	
Sullivan & Markey,	410.90	
Robert W. Taber,	146.94	
F. S. Webster Co.,	2 25	\$2,914.43
To transfer to balance,		\$85.57
		<u>\$3,000.00</u>

CR.

By appropriation,	<u>\$3,000.00</u>
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PUBLIC BATHS, EAST FRENCH AVENUE.

DR.

Isaac L. Ashley, land rent,	\$200.00
Charles D. Beetle, labor and material,	40.70
William P. Briggs, keys, labor and tags,	42.74
F. S. Brightman Co., ink,	.25
William P. Butler, tools and furnishings,	21.06
John Cook, services,	242.50

AUDITOR'S REPORT.

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William England, services,	194.00	
Edgar H. Gammons, services,	8.00	
Thomas M. Hart & Co., cordage,	3 48	
Perry P. Jenney & Son, wringers and repairs,	23.52	
George H. McCarthy, plumbing,	23.67	
A. D. McMullen, carting,	3 25	
Mercury Publishing Co., printing,	32.85	
Mrs. William Ogden, services,	57.21	
E. F. Penney, boxes,	4.50	
Perry Laundry Co., laundry,	79.94	
G. & L. Poisson, sundries,	3.30	
Laurent Poisson, bathing suits,	23.38	
Orion Ricketson, plumbing,	3.00	
Rotch & Potter, insurance,	15 60	
Ruggles & Ellison, flag,	3 00	
Mortimer Searles, stamp outfit,	.75	
Smith & Murphy, emergency supplies,	3.00	
Steiger, Dudgeon Co., bathing suits and towels,	157.80	
Francis Thorley, labor and material,	48.08	
William Whittaker, jr , oil and soap,	2.50	\$1,238.08

CR.

By appropriation,	\$1,000.00	
By transfer from unappropriated funds,	232 55	\$1,232.55
By transfer to balance,		5.53
		<u>\$1,238.08</u>

PUBLIC DEBT.

DR.

Principal (bonds) paid,	\$202,000.00	
Interest on bonded debt,	154,780.00	
Interest on temporary loans,	35,790.92	
Interest on trust funds,	8,539.99	\$401,110.91

CR.

By appropriation,	\$194,310.00	
Receipts as per Treasurer's reports,	199,680.00	\$393,990 00
By transfer to balance,		7,120.91
		<u>\$401,110 91</u>

PUBLIC SCHOOLS, DOG FUND.

Flags, poles and repairs : —

Almy & Hitch,	\$7.95	
P. Black,	73.67	
William J. Cochrane,	4.25	
C. L. Dunham,	30.34	
T. M. Hart & Co.,	36.75	
D. L. Hathaway & Son,	272.07	
Thomas C. Holmans,	1.00	
Perry P. Jenney & Son,	.90	
Johnson & Howland,	75.00	
Kern & Wright,	5.00	
Robert J. Moncrieff,	.75	
Mrs. John H. Murphy,	.50	
Frank R. Pease,	79.00	
E. F. Penney,	7.24	
Antone Perry,	15.65	
James Slater,	7.00	
James H. Warren,	5.00	
Harry O. White,	.50	
Wood, Brightman & Co.,	2.55	\$625 12

Fuel : —

Merton B. Ashley,	\$6.00	
H. T. Borden,	7.00	
Denison Brothers Co.,	560.34	
Thomas H. Fuller,	4.50	
David Hutchings,	3.50	
John N. O'Brien,	18.00	\$599 34

Janitors' labor and laundry : —

Samuel S. Broadbent,	\$8.25	
William J. Cochrane,	5.91	
James T. Heron,	4.20	
Hiram T. Lumbert,	9.00	
John Lumbert,	4.20	
F. O. Pollock,	16.32	
Edwin S. Tallman,	1.59	\$49.47

Rents : —

M. A. Hickey,	\$25 00	
John H. Lowe,	50.00	
Thomas J. Meaney,	100.00	\$175.00

School census : —

Gilbert B. Borden,	\$55.00	
William Hawes,	40.00	
Samuel Miller,	87.50	
Walter R. Myrick,	50.00	
Henry T. Phillips,	85.00	
George R. Young,	37.00	\$354.50

Stock and labor : —

C. L. Dunham,	\$3.60	
George A. Eggers,	69.85	
Thomas Gregory,	6.08	
Highways and Streets,	15.00	
Joseph Lebeau,	12.21	
John J. Meaney,	17.52	
T. J. Moriarty,	6.72	
N. B. Gas & Edison Light Co.,	5.49	
Frank B. Sistare,	38.30	
Whitlow Corporation,	13.04	\$187.81

Miscellaneous : —

Allen's Express, charges,	\$2.05
Automatic Telephone Co., rental,	2.50
J. V. Bancroft, sprinkling,	15.00
Earl Barnes, lecture,	40.00
O. H. Benoit, clock repairs,	2.50
C. H. Brownell & Sons, supplies,	15.35
Catholic Union Publishing Co., advertising,	28.00
A. E. Coffin Press, printing,	20.50
Samuel H. Cook, boiler insurance,	475.00
C. F. Cushing, gun straps,	.75
De Wolf & Vincent, supplies,	1.20
Egan & Co., towels,	3.00
William H. P. Faunce, lecture,	25.00
Globe-Wernicke Co., index cards,	2.55
J. L. Hammett Co., maps,	527.77
John N. Hammond, transportation,	51.20
E. S. Haskell, use of plants,	10.00
T. M. Hart & Co., twine,	1.05
Hatch & Co., express,	2.35
William E. Hatch, disbursements,	300.00
H. S. Hutchinson & Co., book index, etc.,	7.00
William A. Jennings, carting,	24.25

John Lawrence, labor,	1.00	
Mary McAuliffe, laundry,	2 20	
L. E. Milliken & Co., supplies,	.60	
N. B. Co-operative Express, charges,	1.05	
N. B. Furniture Co., shades,	11.75	
Neostyle Co., ink,	2 25	
John V. O'Neil, labor,	.20	
George D. Richards, basket ball goods,	7.00	
Ruggles & Ellison, ribbon,	.38	
Sherman & Perry, carriage hire,	4.50	
Slocum & Kilburn, post,	2.00	
So. Mass. Telephone Co., service and tolls,	5.50	
J. V. Spare Dry Goods Co., supplies,	6.00	
Carl Strauss, pencil pointer,	7.00	
Sullivan & Markey, binding,	2.00	
Robert W. Taber, books,	11.55	
B. R. Tillson, brushes,	11.00	
Union Street Railway Co., car tickets,	14.00	
Charles F. Wing, felt,	3.75	
John Woolfenden, clock repairs,	5.00	
Robert Woolfenden, towel supply,	3.20	
Susie Woolfenden, laundry,	8.65	\$1,667.60
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		\$3,658 84
December 7, 1903. To balance,		794.80
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		\$4,453.64

CR.

December 1, 1902. By balance,	\$2,797.51	
Receipts as per Treasurer's reports,	1,656 13	\$4,453.64

CR.

December 7, 1903. Balance,		\$794.80
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PUBLIC SCHOOLS, INCIDENTALS.

DR.

Salaries :—

William E. Hatch, superintendent and secretary,	\$3,566.90	
Emma M. Almy, clerk,	571.93	
Clara S. Blake, clerk,	401.00	
Lucie G. Booth, clerk,	418.34	
George K. Dammon, messenger,	866.02	
Lucy W. Howland, clerk,	5.93	
Sarah D. Ottiwell, clerk,	600.00	
Mary C. Potter, clerk,	669.87	\$7,099.99

Pay rolls :—

Janitors and truant officers,	\$21,273.12
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Books and stationery :—

Allyn & Bacon,	\$29.17
American Bank Note Co.,	43.75
American Book Co.,	1,756.90
A. H. Andrews Co.,	237.50
E. Anthony & Sons,	147.21
D. Appleton & Co.,	35.99
Edward E. Babb & Co.,	28.33
A. E. Coffin Press,	947.74
Coffin Brothers,	36.00
W. H. Collins & Co.,	40.50
Cupples & Schoenhof,	8.75
Esterbrook Steel Pen Co.,	75.00
Joseph Gillott & Sons,	77.50
Ginn & Co.,	878.88
J. L. Hammett Co.,	145.90
D. C. Heath & Co.,	629.73
Holden Patent Book Cover Co.,	825.22
Henry Holt & Co.,	2.23
Houghton, Mifflin & Co.,	16.92
C. Howard Hunt Pen Co.,	25.25
H. S. Hutchinson & Co.,	20.97
Ideal Busy-Work Co.,	101.79
Kenney Brothers & Wolkins,	2,124.38
Longmans, Green & Co.,	31.25

Maynard, Merrill & Co.,	535.07	
Mercury Publishing Co.,	283.06	
Prang Educational Co.,	947.64	
G. P. Putnam's Sons,	45.34	
Remington Typewriter Co.,	26.55	
Charles R. Sherman & Son,	4.75	
Silver, Burdett & Co.,	14.78	
Sullivan & Markey,	498.70	
Robert W. Taber,	370.03	
Thompson, Brown & Co.,	297.82	
William Wood & Co.,	21.00	\$11,311.60

Fuel :—

F. T. Akin & Co.,	\$9.00	
Merton B. Ashley,	34.80	
H. T. Borden & Co.,	32.50	
City Coal Co.,	1,555.59	
Patrick Connors,	26.25	
Denison Brothers Co.,	8,822.30	
David Duff & Son,	8,950.24	
Thomas H. Fuller,	45.00	
James Hartley,	22.59	
David Hutchings,	58.50	
John N. O'Brien,	200.15	
Poor department,	674.85	
H. O. White,	8.50	\$20,440.27

Furniture, furnishings and repairs :—

Fred A. Debañt,	\$2.80	
Boston Furniture Co.,	53.10	
Chandler Adjustable Chair and Desk Works,	819.15	
Globe-Wernicke Co.,	31.50	
Household Furnishing Co.,	41.90	
N. B. Furniture Co.,	175.27	
Herbert S. Peirce,	39.00	
F. R. Slocum Co.,	8.37	
B. H. Waite,	.50	
Charles F. Wing,	556.75	\$1,734.24

Janitors' labor, laundry and sundries :—

Robert Arnett,	\$21.96
Samuel S. Broadbent,	29.05

H. O. Casey,	6.07	
Phylander Chace,	61.80	
William Clarke,	2 98	
William J. Cochrane,	15.75	
Timothy Crowley,	26.78	
George W. Dexter,	12.83	
Edward H. Field,	19.29	
Henry M. Gifford,	18.81	
James T. Heron,	13.65	
Thomas C. Holmans,	18.53	
Edwin Jones,	15.66	
Edward I. Lawrence,	33.20	
Hiram T. Lumbert,	78.25	
John Lumbert,	12.30	
Robert J. Moncrieff,	19 30	
F. O. Pollock,	57.31	
John H. Rudge,	16 40	
Edwin G. Tallman,	15.58	
Leroy G. Tripp,	4.48	
H. O. White,	6 50	\$506.48

Labor and material : —

J. Baron & Son,	\$3.55
Edmond E. Baudoin,	5.85
Willard B. Bennett,	5.90
George A. Bosworth,	90.24
William P. Briggs,	119.07
James C. Carroll,	17.00
Chace & Hirst,	.50
Charles F. Chase,	46.72
George A. Cobb,	3.90
C. L. Dunham,	40.29
George A. Eggers,	23.05
John H. Ennis,	78.05
George E. Hatch,	23.05
D. L. Hathaway & Son,	107.24
Perry P. Jenney & Son,	20.94
Kern & Wright,	266.62
John J. Meaney,	25.15
Edward Murphy,,	314.44
N. B. Gas & Edison Light Co.,	6.13
Charles H. Norton,	17.00
E. F. Penney,	20.60

F. O. Pollock,	21.60	
Mortimer Searles,	.65	
Charles R. Sherman & Son,	33.45	
R. A. Sherman & Son,	48.81	
Frank B. Sistare,	52.20	
Suffolk Engraving Co.,	2.54	
William R. West,	4.92	
Whitlow Corp.,	20.29	
S. Whitlow,	14.80	
P. J. Winn,	194.46	\$1,629.01

Rents :—

Battery E, 1st Regt., M. V. M.,	\$31.00	
G. Co., Naval Brigade, M. V. M.,	4.00	
M. A. Hickey,	212.50	
Thomas J. Meaney,	1,100.00	
N. B. High School Cadets,	15.00	\$1,362.50

Supplies :—

E. Anthony & Sons,	\$18.00
Babbitt, Wood & Co.,	3.87
James E. Blake,	12.40
Bliss & Nye,	718.32
Milton Bradley Co.,	700.21
C. H. Brownell & Son,	136.44
E. C. Brownell,	1.68
William P. Butler,	7.91
W. L. Chadwick,	3.66
C. F. Cushing,	3.15
C. S. & B. Cummings,	4.25
De Wolf & Vincent,	36.28
Joseph Dixon Crucible Co.,	86.88
Thomas Donaghy,	7.50
Driscoll, Church & Hall,	30.60
C. L. Dunham,	62.74
Egan & Co.,	6.00
Eimer & Amend,	63.45
Frost & Adams Co.,	95.55
Greene & Wood,	.67
J. L. Hammett Co.,	57.80
T. H. Hart & Co.,	2.25
Edward S. Haskell,	1.90
Haskell & Tripp,	6.15

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D. L. Hathaway & Son,	3.94	
N. P. Hayes,	8.99	
John C. Haynes & Co.,	7.45	
Thomas Hersom & Co.,	62.50	
Hillman, Washburn & Co.,	74.30	
H. S. Hutchinson & Co.,	.42	
H. A. Jahn,	3.50	
Kenney Brothers & Wolkins,	1,213.32	
Edwin R. King,	13.99	
L. E. Knott Apparatus Co.,	26.60	
Masury, Young & Co.,	42.00	
Edward L. Moriarty & Co.,	2.00	
N. B. Boiler & Machine Co.,	3.00	
N. B. Gas & Edison Light Co.,	6.30	
N. B. Rubber Co.,	81.50	
Neostyle Co.,	10.05	
Pairpoint Mfg. Co.,	8.25	
Frank R. Pease,	1.25	
E. F. Penney,	1.05	
G. & L. Poisson,	5.83	
Prang Educational Co.,	189.18	
C. G. & G. A. Randall,	171.33	
Ruggles & Ellison,	54.06	
P. J. Ryan,	.75	
C. R. Sherman & Son,	3.00	
Slocum & Kilburn,	3.20	
Smith & Murphy,	73.00	
J. V. Spare Dry Goods Co.,	5.20	
A. G. Stanton,	2.05	
Sylvia & Andrews,	.63	
M. L. Sylvia,	46.87	
Robert W. Taber,	53.85	
A. T. Thompson & Co.,	8.50	
George Thomas,	9.70	
Benjamin R. Tillson,	118.50	
The Typewriter Cushion Co.,	.10	
Union Rattan Co.,	2.75	
William R. West,	29.71	
White & Fairchild,	3.50	
Thomas G. Wing,	13.50	
Wood, Brightman & Co.,	1.00	
Wykoff, Seamans & Benedict,	21.00	\$4,455 28

Miscellaneous :—

Allen's Express, charges,	\$11.40
E. Anthony & Sons, advertising and printing,	31.61
E. Anthony & Sons, subscription,	6.00
Automatic Telephone Co., rental,	8.33
Bartholo & Co.,	1.00
Edmond E. Baudoin, services,	35.00
Bausch & Lomb Optical Co., instruments,	.32
C. J. Becker, engrossing,	3.30
O. H. Benoit, clock repairs,	6.00
Wilson R. Butler, expenses,	19.30
E. H. Chamberlin, plants,	1.50
Henry Clarke, services,	15.00
Samuel H. Cook, boiler insurance,	100.00
Mrs. N. B. Crapo, cleaning,	4.14
W. B. Cross, theatre charges,	76.50
A. B. Crowell, screens,	.78
George K. Dammon, disbursements,	4.68
Davis & Sturgeon, sundries,	.50
D. H. De Moranville, freight and carting,	2.92
W. F. Desmond, signs,	1.15
S. Agnes Donham, disbursements,	11.80
Charles P. Emerson, tuning and repairs,	3.50
C. A. Gray & Co., freight and carting,	95.91
W. A. Greenough & Co., directories,	8.00
Hammond Typewriter Co., repairs,	7.76
Edward S. Haskell, damages,	11.00
Haskell & Tripp, ribbon,	.80
William E. Hatch, disbursements,	80.98
Hatch & Co., express,	21.90
D. K. Hayes, services,	10.00
Herbert E. Healey, services,	25.00
Highways & Streets, carting,	408.90
W. R. Hoxie, gas mantles,	3.60
P. P. Jenney & Son, grinding tools,	1.55
William A. Jennings, carting,	357.25
Clarence Jones, music,	18.00
H. A. Jahn, use of plants,	7.00
William L. Kelley, clock repairs,	24.75
Knight & Thomas, fire extinguishers,	375.00
L'Independant Publishing Co., advertising,	28.10
Mary McAuliffe, laundry,	20.10

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Mercury Publishing Co., advertising,	48.14	
Mercury Publishing Co., subscription,	6.00	
Mary E. Morton, transportation,	15.45	
T. J. Moriarty, paint,	20.35	
John H. Murphy, laundry,	11.00	
Mrs. J. H. Murphy, labor and laundry,	19.23	
N. B. Co-operative Express, charges,	4.30	
N. B. Gas & Edison Light Co., lighting;	1,033.75	
N. B. Gas & Edison Light Co., power,	295.61	
N. B. Steam Carpet Beating Est., cleaning,	37.75	
William P. Peirce, plants and flowers,	10.00	
Henry T. Phillips, services,	17.50	
J. C. Pothier, chairman, disbursements,	2.00	
Mary C. Potter, extra clerical services,	63.58	
Publishers' Weekly catalogue,	.54	
Sherman & Perry, carriage hire,	30.00	
Allen Smith, jr., carriage hire,	15.00	
Smith Premier Typewriter Co., keys,	3.80	
So. Mass. Telephone Co., service and tolls,	55.02	
George H. Spooner, transportation,	334.50	
Carl Strauss, pencil pointers,	35.00	
D. J. Sullivan, clock repairs,	22.00	
Mary E. Trask, services,	10.00	
Union Street Railway Co., car tickets,	144.00	
Urbain Vigneault, clearing snow,	7.00	
Elizabeth Watson, indexing,	30.00	
Western Union Telegraph Co., service,	.56	
H. O. White, labor,	2.25	
W. W. White & Co., mounting maps,	5.00	
Robert Woolfenden, towel supply,	25.90	
Mrs. William Woolfenden, laundry,	19.85	\$4,175.41
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		\$73,987.90
To transfer to balance,		12.10
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		\$74,000.00

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By appropriation,	\$60,000.00	
By special appropriation,	14,000.00	\$74,000.00
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PUBLIC SCHOOLS, PAY OF TEACHERS

Dr.

High school : —

Wilson R. Butler,	\$2,981.25	
William E. Sargent,	1,885.00	
Charles R. Allen,	630.00	
Charles T. Bonney, jr.,	1,600.00	
Edwin H. Harris,	1,492.50	
Robert M. Brown,	1,230.00	
Lydia J. Cranston,	1,000.00	
Amy S. Rhodes,	975.00	
Elizabeth P. Briggs,	923.50	
Mary E. Austin,	992.50	
Emma K. Shaw,	692.50	
Lucretia N. Smith,	989.50	
Helen L. Hadley,	992.50	
Mabel W. Cleveland,	517.50	
Mary C. Wiggin,	992.50	
Adah M. Tasker,	992.50	
Hannah E. Rollins,	197.00	
Lena M. Newcastle,	992.50	
Edmond E. Baudoin,	346.25	\$20,422.50

GRAMMAR SCHOOLS.

Fifth street : —

Allen F. Wood,	\$1,900.00	
Lydia A. Macreading,	738.36	
N. Emma Slack,	202.44	
Sarah E. Stoddard,	669.19	
Mary W. Leymunion,	622.94	
Annie C. Hart,	622.94	
Mary A. Kane,	622.94	
Grace L. Carver,	622.94	
Lottie M. Allen,	621.94	
Florence M. Ellis,	622.94	
Anna C. Rogers,	143.44	
Mary E. Allen,	466.75	
Helen C. Hervey,	394.75	\$8,251.57

Middle street : —

Elwyn G. Campbell,	\$1,900.00	
Lucy B. Fish,	744.36	
Lucy F. Winchester,	744.36	
Anastasia O'Keefe,	404.88	
Etta M. Abbott,	667.19	
Regina M. Paul,	622.94	
Clara S. Vincent,	616.94	
Helen McCoy,	622.94	
Lizzie E. Omev,	622.94	
Julia C. Gifford,	622.94	
Elizabeth D. Hicks,	616.94	\$8,186.43

Parker street : —

Arthur F. Gilbert,	\$1,881.00	
Katherine Haley,	744.36	
Gertrude M. Flanigan,	744.36	
Daisy M. Butts,	669.19	
Belle W. Burt,	669.19	
Mary L. Pettey,	270.54	
Emily A. Delano,	622.94	
A. Mabel Drew,	622.94	
Louise E. Hicks,	619.19	
Lillian T. Thomas,	618.94	
Rose M. Meaney,	622.94	
S. Agnes Holmes,	621.94	
Marie Clifford,	588.57	
Helen C. Hervey,	172.44	
Jane E. Conway,	518.19	
Lila B. Lewis,	435.50	\$10,422.23

Robert C. Ingraham : —

Alice C. Munsey,	\$1,894.00	
Harriet M. True,	225.00	
Elizabeth M. Briggs,	669.19	
Agnes M. James,	663.19	
Mary A. Macy,	617.94	
Cora B. Cleveland,	622.94	
Anna E. Van Allen,	621.94	
Annie L. Murkland,	618.94	
Lulu M. Bennett,	187.44	
Anna H. Bartlett,	621.38	
Helen T. Maxfield,	619.82	

Mary A. Lee,	622.94	
Elva A. Fellows,	622.94	
Margaret E. Balcom,	582.94	
Margaret M. Healey,	173.25	
N. Emma Slack,	511.86	
Clara E. Sherman,	365.50	
Annie R. Keith,	128.77	
Laura M. King,	140.44	\$10,510.42

John H. Clifford :—

Edward B. Gray,	\$1,900.00	
Emma A. McAfee,	744.36	
Lillian E. Page,	202.44	
Lizzie A. Nickerson,	622.94	
Emma A. Eaton,	622.94	
Flora M. Corwin,	622.94	
Susan Gifford,	622.94	
Rachel M. Wordell,	622.94	
Louise M. Newhall,	617.94	
Mary G. La Plante,	616.94	
Mabel F. Alden,	622.94	
Mary O. Lamb,	619.19	
Katherine E. Kenyon,	248.06	
Carrie J. Hunt,	292.94	\$8,979.51

PRIMARY SCHOOLS.

Acushnet avenue :—

Sarah E. Kirwin,	\$796.25	
Caroline S. Silva,	614.43	
Julia M. Pilling,	617.63	
Lida J. Brightman,	619.19	
Sylvia W. Paulding,	612.79	
Katherine O'Connell,	619.19	
Alice A. Taylor,	182.72	
Harriet L. Cornell,	187.44	
Eudora K. Barry,	565.44	
Gertrude L. Corish,	512.24	
Mary E. Goggin,	157.44	
Lucy W. Howland,	136.51	
Mary C. Barstow,	431.75	
Ella W. Cake,	429.39	
Lucie White,	225.50	\$6,707.91

I. W. Benjamin :—

Jane E. Gilmore,	\$892.50	
Nellie W. Davis,	431.75	
Mary F. Livingston,	619.19	
Emma L. Gartland,	619.19	
Flora A. Pearl,	420.18	
Laura C. McCabe,	619.19	
Sophie T. Anthony,	619.19	
Florence M. Anthony,	616.07	
Cecilia A. Deane,	619.19	
Ethel Bliss,	615.44	
Frances A. Sequeira,	121.49	
Anne J. Chase,	565.44	
Nellie A. Walker,	41.25	
Bessie M. Noland,	157.44	
Annie R. Keith,	12.67	
Florence E. Moore,	142.44	
Carolyn B. Sylvia,	142.44	
Alice A. Taylor,	431.75	
Hannah E. Norton,	431.75	\$8,118.56

Cedar Grove street :—

Agnes J. Dunlap,	\$944.36	
Mary R. Dalton,	608.07	
Mary F. Staples,	617.59	
Kate Sweet,	619.19	
Alice B. Winchester,	619.19	
Gertrude Hawes Poole,	619.19	
Sara Peckham,	619.19	
Harriet A. Taylor,	619.19	
Mary P. Brownell,	619.19	
Grace W. Dillingham,	619.19	
Mary E. Boardman,	619.19	
Minnie H. Smythe,	619.19	
Mary W. Snow,	604.24	
Mary I. McCormick,	582.09	
Ethel E. Clapp,	534.19	\$9,463.25

Kindergarten department :—

Anna Hill,	\$550.00	
Irene M. Bassett,	550.00	\$1,100.00

Cedar street : —

Annie G. Brawley,	\$742.50	
Mabel L. Hathaway,	619.19	
Ruth M. Tripp,	601.59	
Esther W. Paul,	619.19	
Madeline A. Gregg,	619.19	\$3,201.66

Kindergarten department : —

Ada S. Blake,	\$379.50	
Susan F. Haskins,	465.00	
Helen A. Gammons,	165.00	\$1,009.50

Cannonville : —

Adelaide J. McFarlin,	\$667.30	
Florence A. Poole,	619.19	\$1,286.49

Clark street : —

Elizabeth P. Spooner,	\$519.36	
Grace W. Russell,	225.00	
Lucy S. Leach,	615.19	
Isabella Luscomb,	614.39	
Annie S. Ray,	619.19	
Harriet J. Thorpe,	619.19	
Mary E. Bumpus,	617.30	
Hannah E. Norton,	187.44	
Lucia E. Bliss,	306.79	\$4,323.85

Dartmouth street : —

Isadore F. Eldridge,	\$792.50	
Sarah F. Pratt,	619.19	
Annie F. Smith,	619.19	
Nellie H. Cook,	617.63	
Nellie L. Foster,	612.87	
Carrie W. Bliss,	614.39	
Jeannette B. Fuller,	582.39	
Carolyn S. Jones,	615.19	\$5,073.35

George H. Dunbar : —

M. Eva Schwall,	\$790.50	
Grace H. Potter,	602.39	
Alice J. Lawrence,	603.99	
Helen G. Malley,	600.23	
Angela F. Bowie,	619.19	

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Mary V. Perry,	619.19	
Jennie A. Murphy,	615.99	
Mary E. Ferrell,	507.94	\$4,959.42
Thomas A. Greene : —		
Annie L. Macreading,	\$794.36	
Sarah E. Sears,	611.19	
Caroline E. Bonney,	619.19	
Bertha C. Hathaway,	619.19	
Nellie E. Ashley,	607.99	
Louise C. Loughlin,	515.44	
Mary E. Durfee,	509.04	
Bessie M. Harwood,	413.08	\$4,689.48
Kindergarten department : —		
Josephine H. Cobb,	\$612.00	
Ethel S. Gibbs,	539.25	\$1,151.25
Sylvia Ann Howland : —		
Marion H. Swasey,	\$676.76	
Mary J. Graham,	619.19	
Helen J. Kirk,	612.79	
Ruth A. Wilde,	330.26	
Helen L. Corish,	609.67	
Frances A. Sequeira,	66.17	
Esther L. Karcher,	24.00	\$2,938.84
Horatio A. Kempton : —		
Bessie P. Pierce,	\$742.50	
Edith M. B. Taber,	619.19	
Clara L. Bennett,	619.19	
Alice E. Jenney,	617.63	
Charlotte G. Tourtelotte,	564.01	
Amelia A. Murray,	564.01	\$3,726.53
Merrimac street : —		
Harriet S. Damon,	\$742.50	
Addie West,	619.19	
Anna I. Dexter,	193.19	
Margaret T. Kane,	583.44	
Mary F. McIntyre,	510.92	
Julia A. Ellis,	423.75	
Alice G. Lloyd,	142.44	\$3,215.43

Phillips avenue : —

Carrie E. Footman,	\$758.49	
Helen I. Boyd,	619.19	
Mary E. Peckham,	619.19	
Edith W. Pratt,	619.19	
Edith A. Austin,	579.47	
Grace B. Gardner,	584.19	
Alice B. Church,	554.19	
Elsie M. Isherwood,	132.84	\$4,466 75

William H. Taylor : —

Mary E. McAuliffe,	\$791.50	
Carrie M. Leavitt,	619.94	
Ida M. Pettee,	615.19	
Adelaide M. Cota,	615.44	
Mary E. Gleason,	615.44	
Elizabeth J. Hurley,	557.44	
Elizabeth C. Carter,	547.14	
Mary A. Horan,	443.94	\$4,806 03

Thompson street : —

Lila D. Hayne,	\$796.25	
Sarah A. Winslow,	616.07	
Florence A. Howland,	619.19	
Annie R. Keith,	272.21	
Emily W. Davis,	613.88	
Bertha E. Jenney,	615.44	
Annie B. Lyon,	619.19	
Ethel M. Rogers,	140.87	
Catherine A. McGuinness,	598.44	
Mary E. Cunningham,	534.44	
Bessie M. Noland,	336.50	\$5,762.48

Mary B. White : —

Mary E. Pasho,	\$210.00	
Annie E. Pearce,	669.94	
Clara C. M. Gage,	596.79	
Margaret H. Holmes,	616.07	
Mary E. Goggin,	358.00	\$2,450 80

UNGRADED SCHOOLS.

South mill : —

Lucy J. Remington,	\$672.06	
Ruby M. Tripp,	621.06	\$1,293.12

North mill :—

Alice T. Corrigan,	\$73.70	\$73.70
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Acushnet :—

Annie C. Maxfield,	\$900.00	
Sarah A. Russ,	622.94	
Naomi A. Turner,	614.19	
Harriet N. Hyatt,	244.31	
Lucie White,	392.89	\$2,774.33

North :—

Mary I. Ashley,	\$600.00	\$600.00
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Plainville :—

Eudora K. Lawrence,	\$420.00	
Emma G. Casey,	180.00	\$600.00

Rockdale :—

Lizzie A. Fisher,	\$692.50	
Alice P. Terry,	615.44	\$1,307.94

HARRINGTON NORMAL AND TRAINING SCHOOL.

Cora A. Newton,	\$1,885.00
Mary E. Trask,	1,192.50
Carolyn D. Wood,	1,200.00
Kate Moore,	672.94
Madeline Gile,	672.94
Grace W. Russell,	446.75
Annie B. Gidley,	151.24
Hattie L. Shafter,	665.44
May Johnson,	637.44
Mary A. Days,	46.86
Mary J. Read,	454.15
Laura M. King,	13.60
Florence E. Moore,	11.60
Carolyn B. Sylvia,	12.00
Ethel M. Rogers,	11.20
Anna C. Rogers,	5.20
Frances A. Sequeira,	12.00
Harriet P. Brownell,	143.20
Mary Bryant,	122.00

Charlotte S. Christopher,	164.40	
Jennie M. Deacon,	132.00	
Marion H. Dexter,	86.40	
Laura B. Fuller,	133.60	
May B. Jason,	137.60	
Mary E. Kane,	119.60	
Esther L. Karcher,	129.60	
Mary L. Killigrew,	134.80	
Myrtella G. Sequeira,	136.40	
Lizzie M. Stow,	138.00	
Julia V. Tresham,	125.60	
Laura H. Wilde,	134.80	
Josephine C. Yates,	143.00	
Emma G. Casey,	12.00	
Bessie M. Harwood,	11.60	
Lucy W. Howland,	11.60	
Carrie J. Hunt,	6.80	
Annie R. Keith,	12.00	\$10,125.86

SPECIAL TEACHERS.

Fred H. Butterfield,	\$1,900.00	
Lucy C. Bedlow,	1,290.00	
Lena M. Willis,	646.25	
Gertrude H. Leonard,	545.48	
Harriet S. Phillips,	381.74	
Dora D. Parker,	348.90	
Edwin R. King,	1,600.00	
Mabel W. Chandler,	195.00	
Lois A. Leonard,	630.00	
Lila B. Lewis,	195.00	
S. Agnes Donham,	556.00	\$8,288.37

EVENING HIGH SCHOOL.

William E. Sargent,	\$300.00	
Robert M. Brown,	203.00	
Edwin H. Harris,	206.50	
Charles R. Allen,	91.00	
Lois A. Leonard,	52.00	
Rudolph Lucas,	117.00	
Lillian R. Davenport,	26.00	
Charles T. Bonney,	52.50	
Clara E. Sherman,	68.00	
Isabel S. Horr,	34.00	\$1,150.00

EVENING DRAWING SCHOOL.

George H. Nye,	\$189.00	
Lena M. Newcastle,	123.00	
Fred M. Reed,	126.00	
Oliver H. Gardner,	126.00	\$564.00

EVENING ELEMENTARY SCHOOLS.

John H. Clifford : —

Edward B. Gray,	\$143.50
Jennie T. Bolles,	34.50
Carolyn S. Jones,	61.50
Mary L. Killigrew,	27.00
Mary T. Gibbons,	61.50
Rachael M. Wordell,	34.50
Sylvia W. Paulding,	57.00
Lucie Sears,	3.00
Florence A. Howland,	61.50
Mary F. Staples,	27.00
Amelia A. Murray,	33.00
Alice Kelleher,	61.50
Julia V. Tresham,	27.00
Elizabeth A. Dunn,	57.00
Gillian M. Barnes,	10.50
Mary E. Herlihy,	61.50
Sarah F. Pratt,	34.50
Lizzie M. Stow,	27.00
Gertrude L. Corish,	34.50
Margaret C. Gleason,	27.00
Annie B. Lyon,	33.00
Susan Gifford,	61.50
Katherine E. Kenyon,	34.50
Catherine A. McGuinness,	61.50
Elizabeth J. Hurley,	1.50
Mary E. Gleason,	61.50
Susan D. Hinds,	31.50
Mary G. La Plante,	58.50
Mary Bryant,	27.00
Edward H. Holmes,	12.00
Edith A. Austin,	33.00
Carrie M. Leavitt,	7.50
Mary E. Kane,	27.00

Edith W. Pratt,	34.50	
Lizzie M. Fisher,	60.00	
Dora DeW. Denby,	4.50	
Florence E. Moore,	27.00	
Noomi A. Turner,	3.00	
Mary I. McGormick,	61.50	
Elsa P. Bates,	15.00	
Harriet M. True,	27.00	
Retta R. Barrett,	24.00	
Mary E. Bumpus,	24.00	
Grace M. Ricker,	24.00	
Mary E. Boardman,	43.50	
Anna H. Bartlett,	15.00	\$1,697.50

Fifth street :—

Elwyn G. Campbell,	\$143.50	
Helen McCoy,	61.50	
Mary V. Perry,	27.00	
Julia C. Gifford,	61.50	
Cecilia A. Deane,	27.00	
Mary Peckham,	27.00	
Sarah F. Pratt,	6.00	
Ruth M. Tripp,	54.00	
Sara Peckham,	61.50	
Kate Moore,	61.50	
Anna H. Bartlett,	25.50	
Charlotte G. Tourtelotte,	27.00	
Jeannette B. Fuller,	46.50	
Caroline E. Bonney,	61.50	
Mary Bryant,	1.50	
Mary R. Dalton,	58.50	
Dora DeW. Denby,	6.00	
Charlotte S. Christopher,	27.00	
Mary E. Cunningham,	61.50	
Phebe E. Baker,	27.00	
May Johnson,	3.00	
Lida J. Brightman,	27.00	
Nellie H. Cook,	9.00	
Etta M. Abbott,	34.50	
Florence E. Moore,	25.50	
Juling M. Pilling,	45.00	
Annie C. Hart,	34.50	\$1,051.00

Parker street : —

Mary A. Kane,	\$143.50	
Gertrude L. Corish,	27.00	
Rose M. Meaney,	61.50	
Sara L. Tallman,	61.50	
Harriet J. Thorpe,	61.50	
Margaret Holmes,	61.50	
Emily A. Delano,	27.00	
Mary F. McIntyre,	45.00	
Minnie H. Smythe,	61.50	
Lizzie E. Frasier,	61.50	
Amelia A. Murray,	27.00	
Carrie E. Footman,	25.50	
Ruby M. Tripp,	61.50	
Naomi A. Turner,	52.50	
Regnia M. Paul,	9.00	
Endora K. Barry,	1.50	
Annie L. Murkland,	1.50	
Etta M. Abbott,	3.00	\$793.00*

Robert C. Ingraham : —

Joseph P. Kennedy,	\$143.50
Marie Clifford,	60.00
Kate K. Whelden,	61.50
Emma L. Gartland,	61.50
Annie F. Smith,	61.50
Helen G. Malley,	58.50
Esther L. Karcher,	61.50
May B. Jason,	61.50
Nellie H. Cook,	27.00
Carolyn B. Sylvia,	27.00
Mary E. Holden,	61.50
Mary E. Goggin,	61.50
Mary A. Horan,	27.00
Annie R. Keith,	61.50
Harriet M. Goddard,	7.50
Helen F. Murphy,	61.50
Mary Bryant,	1.50
Mary F. Livingston,	61.50
Jennie M. Deacon,	27.00
Ethel Pollard,	61.50
May Johnson,	24.00
Grace B. Gardner,	61.50

Mary Peckham,	19.50	
John Silva,	82.00	
Annie B. Lyon,	25.50	
M. Annie Taber,	25.50	
Minnie Wilson,	25.50	
Annie I. Burt,	25.50	
Mary V. Perry,	34.50	
Cecilia A. Deane,	34.50	
Mary E. Bumpus,	34.50	
Ida M. Healey,	12.00	\$1,460.00

Phillips avenue : —

Eliza G. M. Jenney,	\$128.00	
Nellie L. Foster,	61.50	
Sarah E. Howard,	61.50	
Annie C. Maxfield,	61.50	
Helen T. Maxfield,	61.50	
Sarah A. Russ,	61.50	
Effie B. Wallace,	24.00	
Grace D. Wixon,	24.00	
Emma M. Davis,	13.50	
Ada S. Blake,	33.00	\$530.00

SUBSTITUTES.

Emma S. Y. Alley,	\$137.50
Preston Barr,	6.00
Harriet P. Brownell,	2.40
Mary Bryant,	36.00
Emma G. Casey,	94.96
Lottie S. Christopher,	5.60
Alice T. Corrigan,	51.26
Jennie M. Deacon,	28.80
Laura B. Fuller,	21.80
Annie B. Gidley,	81.00
Bessie M. Harwood,	16.80
Margaret M. Healey,	287.45
Mary A. Horan,	50.00
Lucy W. Howland,	20.80
Carrie J. Hunt,	158.25
Janet Hunter,	414.75
Elsie M. Isherwood,	6.40

AUDITOR'S REPORT.

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May B. Jason,	11.20	
Mary E. Kane,	29.00	
Esther L. Karcher,	9.60	
Annie R. Keith,	1.00	
Mary L. Killigrew,	6.00	
Mary A. Livesey,	180.00	
Alice G. Lloyd,	200.04	
Fred F. Locke,	362.00	
Rudolph Lucas,	45.00	
Florence E. Moore,	274.61	
Anna C. Rogers,	46.20	
Ethel M. Rogers,	93.20	
Lydia Sargent,	18.00	
Frances A. Sequeira,	28.40	
Clara E. Sherman,	210.00	
Carolyn B. Sylvia,	168.29	
Julia V. Tresham,	28.00	
Clara B. Watson,	9.36	
Laura H. Wilde,	5.00	
Minnie A. Wilson,	8.00	
Josephine C. Yates,	1.50	\$3,154.17
		<hr/>
		\$180,687.23
To transfer to balance,		951.77
		<hr/>
		\$181,639.00

CR.

By appropriation,	\$84,139.00	
By special appropriations,	57,500.00	
By transfer from unappropriated funds,	40,000.00	\$181,639.00

PUBLIC SCHOOLS, REPAIRS OF BUILDINGS.

DR.

Acushnet:—

Frank C. Bennett,	\$12.00	
William S. Brown,	29.20	
Charles F. Chase,	4.20	
Herbert L. Weeks,	10.53	\$55.93

Acushnet avenue :—

Fichtemnayer & Flynn,	\$3.00	
John J. Meaney,	172.01	
T. J. Moriarty,	85.38	
Nelson Brothers,	33.60	
Charles H. Norton,	328.81	
John V. O'Neil,	78.00	
Orion Ricketson,	106.82	
S. Whitlow,	.53	\$808.15

I. W. Benjamin :—

T. W. Croacher,	.42	
Kern & Wright,	39.33	
J. S. Lewis, jr.,	215.60	
T. J. Moriarty,	2.60	
E. F. Penney,	.75	
James H. Warren,	180.00	
L. R. Washburn & Son,	4.20	\$442.90

Cannonville :—

Allen Totman Co.,	\$19.80	
Kern & Wright,	2.40	
Frank B. Sistare,	45.51	\$67.71

Cedar street :—

John Hartley,	\$9.00	
Walter Martin,	62.40	
Robert J. Moncrieff,	1.00	
N. B. Boiler & Machine Co.,	5.94	
E. A. Remington,	83.39	
John H. Ryan,	73.81	
William R. West,	22.78	\$258.82

Cedar Grove street :—

A. Bolduc,	\$1.55	
C. L. Dunham,	2.46	
John H. Ennis,	102.82	
Thomas Gregory,	91.99	
James Hartley,	12.00	
L. Lloyd,	40.00	
Walter Martin,	99.96	
F. O. Pollock,	3.27	
John B. Sullivan & Son,	63.75	
William R. West,	10.95	
S. Whitlow,	.80	\$429.55

Clark street : —

George A. Bosworth,	\$9.30	
D. Herbert Cook,	37.83	
C. L. Dunham,	5.46	
N. B. Boiler & Machine Co.,	156.24	
Slocum & Kilburn,	1.50	
William R. West,	146.25	
S. Whitlow,	1.98	\$358.56

J. H. Clifford : —

George A. Bosworth,	\$8.50	
D. Herbert Cook,	7.64	
Edward G. Davis,	72.50	
W. F. Desmond,	4.08	
N. B. Boiler & Machine Co.,	8.60	
William R. West,	43.00	\$144.82

Dartmouth street : —

Almy & Hitch,	.85	
John J. Meaney,	365.89	
T. J. Moriarty,	1.00	
Edward Murphy,	3.95	
Nelson Brothers,	9.65	
John V. O'Neil,	292.34	
James H. Warren,	50.00	
P. J. Winn,	18.92	\$742.60

G. H. Dunbar : —

William S. Brown,	\$12.20	
Chamberlain Metal Weather Strip Co.,	271.45	
Thomas C. Holmans,	1.25	
Jenney & Buffington,	6.49	
Kern & Wright,	90.95	
N. B. Boiler & Machine Co.,	15.96	
E. F. Penney,	12.18	
Frank B. Sistare,	19.45	\$429.93

Fifth street : —

Chace & Hirst,	\$137.25	
Jenney & Buffington,	66.90	
T. J. Moriarty,	111.38	
Charles E. Peirce,	149.12	
E. F. Penney,	1.65	
C. R. Sherman & Son,	2.15	
R. A. Sherman & Son,	76.80	\$545.25

T. A. Greene :—

Babbitt, Wood & Co.,	\$3.35	
William P. Briggs,	.75	
Henry Harlow,	72.56	
T. M. Hart & Co.,	.30	
Jenney & Buffington,	15.87	
T. J. Moriarty,	2.40	
Charles E. Peirce,	33.79	
E. F. Penney,	8.51	
J. W. Welch,	11.05	
Wood, Brightman & Co.,	13.26	\$161.84

Harrington Memorial :—

Babbitt, Wood & Co.,	\$41.75	
D. L. Hathaway & Son,	554.39	
Johnson Electric Service Co.,	7.50	
Kern & Wright,	245.41	
William Lowe,	10.00	
Wood, Brightman & Co.,	39.94	\$898.99

Hickey building :—

John V. O'Neil,	\$18.32	\$18.32
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High :—

Almy & Hitch,	\$1.25	
John J. Meaney,	51.75	
Nelson Brothers,	30.75	
N. B. Boiler & Machine Co.,	302.56	
John V. O'Neil,	17.16	
Charles E. Peirce,	22.14	
William H. Rankin,	27.02	
C. R. Sherman & Son,	.50	
George A. Wood,	11.30	
Wood, Brightman & Co.,	54.55	\$518.98

S. A. Howland :—

William S. Brown,	\$130.00	
George J. Dodge,	161.44	
Kern & Wright,	3.70	
A. W. Perkins,	19.87	
William H. Rankin,	6.44	
William S. Sturtevant,	497.02	
Herbert L. Weeks,	93.22	
S. Whitlow,	.35	\$912.04

R. C. Ingraham : —

William P. Butler,	.25	
Michael Goggin,	9.87	
H. A. Jahn,	11.00	
Jenney & Buffington,	33.36	
John J. Meaney,	114.09	
T. J. Moriarty,	4.35	
John V. O'Neil,	136.53	
Joseph Peter,	43.18	
Joseph L. Sylvia,	41.00	
James H. Warren,	50.00	
J. W. Welch,	28.10	
William R. West,	3.10	
Wood, Brightman & Co.,	1.35	\$476.18

H. A. Kempton : —

F. T. Akin & Co.,	\$6.89	
Babbitt, Wood & Co.,	34.30	
William S. Brown,	19.50	
Gilman E. Hook,	154.51	
R. A. Sherman & Son,	2.95	
Herbert L. Weeks,	87.27	\$305.42

Linden street : —

William R. West,	\$2.00	\$2.00
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Meaney hall : —

John J. Meaney,	\$15.77	\$15.77
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Merrimac street : —

J. Baron & Son,	\$1.00	
C. L. Dunham,	70.60	
A. W. Perkins & Co.,	14.51	\$86.11

Middle street : —

General sewers,	\$1.78	
D. L. Hathaway & Son,	18.77	
Jenney & Buffington,	4.77	
Kern & Wright,	52.55	
J. S. Lewis, jr.,	6.00	
Wood, Brightman & Co.,	16.29	\$100.16

North : —

William R. West,	\$46.69	\$46.69
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Parker street : —

George A. Bosworth,	\$29.07	
Highways and streets,	464.31	
J. W. Welch,	9.40	
William R. West,	4.89	\$507.67

Phillips avenue : —

W. F. Desmond,	.95	
George J. Dodge,	27.87	
N. P. Hayes,	2.00	
Walter Martin,	134.15	
William R. West,	165.00	
P. J. Winn,	225.72	\$555.69

Rockdale : —

C. L. Dunham,	\$58.01	
F. B. Sistare,	40.18	\$98.19

School committee : —

Chamberlain Metal Weather Strip Co.,	\$10.35	
John J. Meaney,	57.55	
William P. Peirce,	14.75	
William H. Rankin,	34.50	
C. R. Sherman & Son,	1.30	\$118.45

W. H. Taylor : —

Stephen J. Cassidy, jr.,	\$56.90	
Chamberlain Metal Weather Strip Co.,	59.80	
Fichtemnayer & Flynn,	3.00	
John J. Meaney,	32.80	
T. J. Moriarty,	5.45	
N. B. Boiler & Machine Co.,	2.25	
John V. O'Neil,	24.11	
James H. Warren,	75.00	\$259.31

Thompson street : —

M. A. Hickey,	\$49.16	
Jenney & Buffington,	1.25	
John J. Meaney,	14.29	
T. J. Moriarty,	5.15	
Nelson Brothers,	1.50	
William H. Nelson,	22.10	
Charles H. Norton,	35.36	
John V. O'Neil,	137.77	
James H. Warren,	125.00	\$391.58

AUDITOR'S REPORT.

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M. B. White :—

H. T. Bowman,	\$8.60	
William J. Cochrane,	17.60	
C. L. Dunham,	29.60	
Thomas Gregory,	29.40	
George E. Hatch,	.50	
Walter Martin,	14.50	
A. W. Perkins & Co.,	35.00	
William F. Sturtevant,	.80	
Frank S. Tripp,	.40	\$136.40

\$9,893 01

To transfer to balance,

1,106.99\$11,000.00

CR.

By appropriation,	\$8,000.00	
By special appropriation,	3,000.00	\$11,000.00

REAL ESTATE TAX ACCOUNT.

DR.

December 1, 1902. To balance,	\$197.41	
Collector of taxes,	41.12	\$238.53

CR.

Receipts as per Treasurer's reports,	\$32.22	
December 7, 1903. Balance,	206.31	\$238.53

DR.

December 7, 1903. To balance,		\$206.31
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SALARIES OF CITY OFFICERS.

DR.

Charles S. Ashley, Mayor,	\$3,000.00	
James H. Hathaway, City Treasurer and Collector of Taxes,	3,0000.00	
Daniel B. Leonard, City Clerk,	2,600.00	
William S. Cook, Assistant City Clerk,	1,500.00	
Charles J. McGurk, City Auditor,	1,800.00	
Benjamin B. Barney, City Solicitor,	1,500.00	
William E. Brownell, City Physician,	40.68	
Holder C. Kirby, City Physician,	497.46	
Augustus D. Piper, City Messenger,	214.76	
Cornelius B. Piper, City Messenger,	140.03	
Walter H. B. Remington, City Messenger,	641.62	
Cornelius A. Webb, City Bell Ringer,	125.00	
John N. O'Brien, Sealer of Weights and Measures,	900.00	
Walter H. B. Remington, Clerk of Common Council,	500.00	
William B. Wood, Superintendent of City Clock,	75.00	
Charles H. Cragen, Harbor Master,	300.00	
Edmund O'Keefe, Inspector of Buildings,	1,800.00	
Daniel C. Ashley, Inspector of Animals, Milk and Provisions,	1,200.00	
Daniel D. Briggs, Supervisor of Wires,	300.00	\$20,134.55
Board of Aldermen : —		
Henry P. Jenney,	\$100.00	
Louis Z. Normandin,	100.00	
Charles H. Brownell,	100.00	
William E. Smith,	100.00	
George H. Hedge,	8.33	
Charles B. Hillman, jr.,	91.67	
Andrew P. Doyle,	8.33	
Samuel E. Bentley,	91.67	\$600.00
Board of Assessors : —		
William F. Bannon,	\$1,371.77	
Thomas F. Healy,	1,128.23	
Henry C. Russell,	996.51	
Horace Wood,	103.49	\$3,600.00

AUDITOR'S REPORT.

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Board of Health : —

William G. Kirschbaum,	\$500.00	
John T. Bullard,	500.00	
Manuel V. Sylvia,	500.00	\$1,500.00

Board of Registrars : —

Willard N. Lane,	\$365.00	
Charles T. Luce,	365.00	
Emanuel Sullavou,	365.00	
Daniel B. Leonard,	300.00	\$1,395.00

License Commission : —

Frank M. Sparrow,	\$300.00	
Stephen D. Peirce,	300.00	
John O'Neil,	300.00	\$900.00

\$28,129.55

To transfer to balance,

115.45

\$28,245.00

CR.

By appropriation,	\$27,995.00	
By transfer from unappropriated funds,	250.00	\$28,245.00

SCHOOLHOUSE, BLACKMER STREET,
HEATING AND VENTILATING.

CR.

December 1, 1902. Balance,	<u>\$500.00</u>
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CR.

December 7, 1903. Balance,	<u>\$500.00</u>
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SCHOOLHOUSE, COGGESHALL STREET,
HEATING AND VENTILATING.

CR.

December 1, 1902. Balance,	\$500.00
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CR.

December 7, 1903. Balance,	500.00
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SEWERS, GENERAL ACCOUNT.

DR.

Pay rolls,		\$13,993.72
A. W. Allen, patterns,	\$49.01	
Babbitt, Wood & Co., boiler repairs,	1.30	
Boston Woven Hose & Rubber Co., hose,	167.30	
Cornelius Callahan Co., hose,	197.64	
Chapman Valve Mfg. Co., repairs,	16.35	
J. B. Dion, nails,	2.65	
George A. Eggers, explosives,	95.05	
Fairhaven Iron Foundry Co., castings,	344.88	
Greene & Wood, lumber,	13.49	
T. M. Hart & Co., oil clothing,	5.28	
Hatch & Co., express,	2.80	
Highways and streets, janitor service,	43.29	
" " " registration service,	36.56	
" " " office service,	868.05	
" " " stock, labor and		
teaming,		8,227.12
Hillman, Washburn & Co., trowels,	1.50	
Ingersoll-Sergeant Drill Co., supplies,	35.81	
S. C. Lowe Supply Co., tools,	87.75	
N. B. Boiler & Machine Co., guage,	1.00	
N. B. Gas & Edison Light Co., repairs,	1.00	
N. Y., N. H. & H. R. R. Co., freight,	2.12	
L. Z. Normandin, M. D., services and		
medicines,		54.80

S. S. Paine & Brother, brick, cement, flag and pipe,	1,913.77	
Charles S. Paisler, pipe,	5,804.56	
A. W. Perkins & Co., truck hire,	10.64	
J. C. da S. Pitta, M. D., services,	3.00	
C. G. & G. A. Randall, lumber,	4.28	
Alden Rounseville, lumber,	37.72	
Sewer, Cottage street, stock, labor and teaming,	26.49	
M. L. Sylvia, sundries,	1.40	
W. U. Telegraph Co., message,	.25	
Whitlow Corp., repairs,	2.80	
Wood, Brightman & Co., pipe, rings and washers,	33.40	\$18,093.06
		<hr/>
		\$31,996.78
To transfer to balance,		3,379.45
		<hr/>
		\$35,376.23

CR.

By appropriation,	\$12,000.00	
By special appropriation,	5,000.00	
Receipts as per Treasurer's reports,	18,376.23	\$35,376.23

SEWER, ACUSHNET AVENUE, BETWEEN
BELLEVILLE ROAD AND NASH ROAD, No. 1.

DR.

Pay rolls,		\$791.79
A. W. Perkins & Co., cart hire,	.25	
W. F. Desmond, lumber,	.85	
General sewers, stock, labor and teaming,	151.07	
Highways and streets, stock, labor and teaming,	23.26	\$175.43
		<hr/>
		\$967.22
December 7, 1903. To balance,		25.00
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		\$992.22

CR.

By special appropriation,	\$700.00	
By transfer from sewer, Collette street,	44.69	
By transfer from unappropriated funds,	247.53	\$992.22

CR.

December 7, 1903. Balance,	\$25.00
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SEWER, ACUSHNET AVENUE, FROM
TURNER'S COURT TO MERRIMAC STREET, No. 2.

DR.

Pay roll,	\$16.75
December 7, 1903. To balance,	183.25
	<u>\$200.00</u>

CR.

By special appropriation,	<u>\$200.00</u>
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CR.

December 7, 1903. Balance,	<u>\$183.25</u>
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SEWER, BAY AND DARTMOUTH STREETS TO
ORCHARD STREET.

DR.

Pay roll,		\$15.00
General sewers, stock, labor and teaming,	\$31.23	
Highways and streets, stock, labor and teaming,	3.69	\$34.92
Transfer to sewer, Tallman street,	97.64	
Transfer to sewer, Deane street,	52.69	\$150.33
		<u>\$200.25</u>

AUDITOR'S REPORT.

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CR.

December 1, 1902. By balance,	\$200.25
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SEWER, BELLEVILLE ROAD.

DR.

Pay rolls,		\$3,850.54
Acushnet Iron Co., castings,	\$5.32	
George A. Eggers, dynamite and exploders,	18.25	
General sewers, stock, labor and teaming,	4,120.41	
N. P. Hayes, oil can,	.25	
Highways and streets, stock, labor and teaming,	378.65	
George H. McCarthy, plumbing,	9.80	
S. S. Paine & Brother, cement,	75.02	
A. W. Perkins & Co., cart hire,	3.81	\$4,611.51
		<u>\$8,462.05</u>

CR.

By special appropriation,		\$7,800.00
By transfer from sewer, Collette street,	\$22.08	
By transfer from sewer, Phillips avenue,	639.97	\$662.05
		<u>\$8,462.05</u>

SEWER, BOLTON ROAD, TO CONTEMPLATED
KANE STREET.

DR.

Pay rolls,		\$186.00
General sewers, stock, labor and teaming,	\$56.91	
Highways and streets, stock, labor and teaming,	23.86	\$80.77
		<u>\$266.77</u>
To transfer to sewer, Davis street,		283.23
		<u>\$550.00</u>

CR.

By special appropriation,	<u>\$550 00</u>
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SEWER, CHEPACHET STREET.

DR.

Pay rolls,		\$1,696.57
George A. Eggers, dynamite and exploders,	\$13.83	
General sewers, stock, labor and teaming,	761.29	
George E. Hatch, labor and solder,	1.80	
Highways and streets, stock, labor and teaming,	144.32	
N. B. Water Works, pipe,	9.52	
A. W. Perkins & Co., cart hire,	1.75	<u>\$932.51</u>
		\$2,629.08
To transfer to sewer, Deane street,		969.92
		<u>\$3,599.00</u>

CR.

December 1, 1902. By balance,	<u>\$3,599.00</u>
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SEWER, CLEVELAND STREET, FROM RUTH STREET TO DAVID STREET.

DR.

Pay roll,		\$267.49
Highways and streets, stock, labor and teaming,		41.85
		<u>\$309.34</u>

CR.

December 1, 1902. By balance,	\$92.18
By special appropriation,	217.16
	<u>\$309.34</u>

SEWER, CLINTON STREET, EAST OF ORCHARD
STREET, THENCE WESTERLY.

DR.

Pay rolls,		\$460.26
General sewers, stock, labor and teaming,	\$136.79	
Highways and streets, stock, labor and teaming,	57.11	
N. B. Water Works, repairing service pipe,	2.80	\$196.70
		<u>\$656.96</u>

CR.

By special appropriation,	\$650.00
By transfer from sewer, Collette street,	6.96
	<u>\$656.96</u>

SEWER, COGGESHALL STREET, TO CONNECT
WITH SEWER IN BOWDITCH STREET.

DR.

Pay rolls,		\$1,675.73
William F. Desmond, timber,	\$129.38	
George A. Eggers, dynamite and exploders,	13.75	
General sewers, stock, labor and teaming,	46.08	
Highways and streets, stock, labor and teaming,	115.70	
C. G. & G. A. Randall, timber,	91.16	\$396.07
		<u>\$2,071.80</u>
To transfer to sewer, Davis street,		128.20
		<u>\$2,200.00</u>

CR.

By special appropriation,	<u>\$2,200.00</u>
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SEWER, COLLETTE STREET, FROM ACUSHNET AVENUE TO CHURCH STREET.

DR.

Pay rolls,		\$2,181.25
George A. Eggers, dynamite and exploders,	\$29.75	
General sewers, stock, labor and teaming,	686.59	
Highways and streets, stock, labor and teaming,	53.48	
George H. McCarthy, plumbing,	3.76	\$773.58
		<hr/>
		\$2,954.83
To transfer to sewer, Acushnet avenue,	\$44.69	
" " " " Belleville road,	22.08	
" " " " Clinton street,	6.96	
" " " " Devoll street,	32.74	
" " " " Front street,	124.79	
" " " " Tinkham street,	13.91	\$245.17
		<hr/>
		\$3,200.00

CR.

By special appropriation,	\$3,200.00
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SEWER, COTTAGE STREET, FROM ROBESON STREET TO AUSTIN STREET, No. 1.

DR.

Pay rolls,		\$399.06
General sewers, stock, labor and teaming,	\$185.63	
Highways and streets, stock, labor and teaming,	20.20	\$205.83
		<hr/>
		\$604.89
To transfer to balance,		171.60
		<hr/>
		\$776.49

CR.

By special appropriation,	\$750.00
Receipts as per Treasurer's reports,	26.49
	<hr/>
	\$776.49

SEWER, COTTAGE STREET, FROM AUSTIN
STREET NORTHERLY, No. 2.

CR.

By special appropriation,	<u>\$700.00</u>
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CR.

December 7, 1903. Balance,	<u>\$700.00</u>
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SEWER, DEANE STREET.

DR.

Pay rolls,		\$1,731.07
Denison Brothers Co., coal,	\$7.02	
George A. Eggers, dynamite and exploders,	16.00	
General sewers, stock, labor and teaming,	2,309.21	
Highways and streets, stock, labor and teaming,	155.40	
C. G. & G. A. Randall, lumber,	42.00	
Frank C. Tripp, labor,	1.20	
		<u>\$2,530.83</u>
		\$4,261.90
To transfer to balance,		1.72
		<u>\$4,263.62</u>

CR.

By special appropriation,		\$1,800.00
By transfer from unappropriated funds,	\$256.67	
By transfer from sewer, Bay and Dartmouth sts.,	52.69	
“ “ “ “ Bolton road,	283.23	
“ “ “ “ Chepachet st.,	969.92	
“ “ “ “ Coggeshall st.,	128.20	
“ “ “ “ Maxfield st.,	158.08	
“ “ “ “ McGurk st.,	168.82	
“ “ “ “ Reed st.,	74.84	
“ “ “ “ Rockdale avenue,	143.69	
“ “ “ “ Shawmut ave., No. 1,	172.01	
“ “ “ “ Shawmut ave., No. 2,	55.47	
		<u>\$2,463.62</u>
		<u>\$4,263.62</u>

SEWER, DEVOLL STREET, FROM ALLEN
STREET TO GRAPE STREET.

Dr.

Pay rolls,		\$504.36
General sewers, .	\$116.01	
Highways and streets,	12.37	\$128.38
		<u>\$632.74</u>

Cr.

By special appropriation,	\$600.00
By transfer from sewer, Collette street,	32.74
	<u>\$632.74</u>

SEWER, HAZARD STREET.

Cr.

By special appropriation,	<u>\$800.00</u>
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Cr.

December 7, 1903. Balance,	<u>\$800.00</u>
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SEWER, MAITLAND STREET, WESTERLY TO
RICHMOND STREET, AND NORTHERLY
IN RICHMOND STREET.

Cr.

By special appropriation,	<u>\$400.00</u>
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Cr.

December 7, 1903. Balance,	<u>\$400.00</u>
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SEWER, MAXFIELD STREET, FROM LIBERTY
STREET, EASTERLY.

DR.

Pay roll,	\$470.41
General sewers, stock, labor and teaming, \$159.24	
Highways and streets, stock, labor and teaming, 12.27	\$171.51
	<u>\$641.92</u>
To transfer to sewer, Dean street,	158.08
	<u>\$800.00</u>

CR.

By special appropriation,	<u>\$800.00</u>
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SEWER, MCGURK STREET.

DR.

Pay roll,	\$636.08
General sewers, stock, labor and teaming, \$242.77	
Highways and streets, stock, labor and teaming, 52.33	\$295.10
	<u>\$931.18</u>
To transfer to sewer, Dean street,	168.82
	<u>\$1,100.00</u>

CR.

By special appropriation,	<u>\$1,100.00</u>
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SEWER, NORTH FRONT STREET, FROM TINK-
HAM STREET TO WHITMAN STREET.

DR.

Pay rolls,		\$1,029.35
General sewers, stock, labor and teaming,	\$359.85	
Highways and streets, stock, labor and teaming,	27.10	
N. B. Water Works, labor,	6.88	
A. W. Perkins & Co., cart hire,	1.62	\$395.45
		<u>\$1,424.80</u>

CR.

By special appropriations,	\$1,300.00
By transfer from sewer, Collette street,	124.79
By transfer to balance,	.01
	<u>\$1,424.80</u>

SEWER, PHILLIPS AVENUE, EAST OF
BELLEVILLE AVENUE.

DR.

Pay roll,		\$326.84
General sewers, stock, labor and teaming,	\$217.71	
Highways and streets, stock, labor and teaming,	15.48	\$233.19
		<u>\$560.03</u>
To transfer to sewer, Belleville road,		639.97
		<u>\$1,200.00</u>

CR.

By special appropriation,	<u>\$1,200.00</u>
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SEWER, REED STREET, NORTHERLY FROM
COURT STREET.

DR.

Pay rolls,		\$174.38
General sewers, stock, labor and teaming,	\$83.94	
Highways and streets, stock, labor and teaming,	16.84	\$100.78
		<u>\$275.16</u>
To transfer to sewer, Deane street,		74.84
		<u>\$350.00</u>

CR.

By special appropriation,	<u>\$350.00</u>
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SEWER, ROCKDALE AVENUE, FROM MILTON
STREET TO CONTEMPLATED FAIRMOUNT
STREET.

DR.

Pay rolls,		\$735.98
General sewers, stock, labor and teaming,	\$324.93	
Highways and streets, stock, labor and teaming,	70.40	\$395.33
		<u>\$1,131.31</u>
To transfer to sewer, Deane street,		143.69
		<u>\$1,275.00</u>

CR.

By special appropriation,	<u>\$1,275.00</u>
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SEWER, RUTH STREET, FROM CLEVELAND STREET, WESTERLY.

DR.

General sewers, stock, labor and teaming,	\$152.67
Highways and streets, stock, labor and teaming,	6.94
	<u>\$159.61</u>

CR.

By special appropriation,	<u>\$159.61</u>
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SEWER, SHAWMUT AVENUE, TRINITY STREET TO DURFEE STREET, No. 1.

DR.

Pay rolls,		\$213.27
General sewers, stock, labor and teaming,	\$88.65	
Henry J. Gurl, plumbing,	4.76	
George E. Hatch, plumbing,	2.12	
Highways and streets, stock, labor and teaming,	19.19	\$114.72
		<u>\$327.99</u>
To transfer to sewer, Dean street,		172.01
		<u>\$500.00</u>

CR.

By special appropriation,	<u>\$500.00</u>
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SEWER, SHAWMUT AVENUE, TRINITY STREET
TO AUSTIN STREET, No. 2.

DR.

Pay rolls,		\$265.83
General sewers, stock, labor and teaming,	\$107.00	
Highways and streets, stock, labor and teaming,	21.70	\$128.70
		<u>\$394.53</u>
To transfer to sewer, Deane street,		55 47
		<u>\$450.00</u>

CR.

By special appropriation,	<u>\$450.00</u>
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SEWER, SHAWMUT AVENUE, NORTHERLY,
No. 3.

CR.

By special appropriation,	<u>\$900.00</u>
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CR.

December 7, 1903. Balance,	<u>\$900.00</u>
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SEWER, TALLMAN STREET.

DR.

Pay rolls,		\$1,167.44
George A. Eggers, explosives,	\$16.00	
E. H. Gammons, cleaning cesspool,	6.00	
General sewers, stock, labor and teaming,	332.70	
Highways and streets, stock, labor and teaming,	75.60	\$430.20
		<u>\$1,597.64</u>

CR.

By special appropriation,	\$1,500.00
By transfer from sewer, Bay and Dartmouth streets,	97.64
	<u>\$1,597.64</u>

SEWER, TINKHAM STREET, WESTERLY FROM
ACUSHNET AVENUE.

DR.

Pay rolls,	\$316.72
General sewers, stock, labor and teaming,	\$84.75
Highways and streets, stock, labor and teaming,	12.44
	<u>\$97.19</u>
	<u>\$413.91</u>

CR.

By special appropriation,	\$400.00
By transfer from sewer, Collette street,	13.91
	<u>\$413.91</u>

SINKING FUNDS.

DR.

Commissioners of sinking funds,	<u>\$115,091.50</u>
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CR.

By appropriation,	\$107,505.00
By transfer from unappropriated funds,	2,700.00
Receipts as per Treasurer's reports,	4,886.50
	<u>\$115,091.50</u>

SPRAYING TREES.

DR.

Pay rolls,		\$341.43
Hatch & Co., express charges,	\$5.10	
George E. Hatch, repairs,	6.93	
N. P. Hayes, brads,	.15	
Highways and streets, stock, labor and teaming,	242.74	
Hillman, Washburn & Co., hinge,	.10	
Warren Ingram, pump and hose fittings,	22.50	
Morse Twist Drill & Machine Co., tap,	.75	
N. B. Boiler & Machine Co., stock and labor,	10.88	
N. Y., N. H. & H. R. R. Co., freight,	1.80	
J. C. da S. Pitta, M. D., services,	4.50	
E. C. Ware, apparatus and supplies,	308.30	\$603.75
		<hr/>
		\$945.18
To transfer to balance,		63.80
		<hr/>
		\$1,008.98

CR.

By special appropriation,	\$1,000.00	
Receipts as per Treasurer's reports,	8.98	\$1,008.98
		<hr/>

SPRINKLING STREETS.

DR.

Pay roll,		\$3.50
Acushnet Iron Co , posts,	\$400.00	
William R. Chase, insurance,	80.00	
Chandler, Eastman & Sons, carts,	1,950.00	
Hatch & Co., express charges,	.65	
George E. Hatch, repairs,	.75	
Highways and streets, stock, labor and teaming,	75.61	
N. B. Water Works, hydrants and fixtures,	1,543.63	
N. Y., N. H. & H. R. R. Co., freight,	144.47	
J. L. & H. K. Potter, carts,	2,787.73	
Slocum & Kilburn, oilers,	7.87	

Frank S. Tripp, labor,	12.40	
L. R. Washburn & Son, patterns,	29.20	\$7,032.31
		<hr/>
		\$7,035.81
To transfer to balance,		1,346.39
		<hr/>
		\$8,382.20

CR.

By special appropriation,	\$8,375.00	
Receipts as per Treasurer's reports,	7.20	\$8,382.20
		<hr/>

TEMPORARY LOAN.

DR.

Citizens' Savings Bank, Providence, R. I.,	\$50,000.00	
Clinton Savings Bank,	20,000.00	
First National Bank of Easton,	10,000.00	
Loring, Tolman & Tupper,	215,000.00	
F. S. Moseley & Co.,	50,000.00	
National Shawmut Bank, agent,	100,000.00	
N. B. Five Cents Savings Bank,	500,000.00	
N. B. Institution for Savings,	100,000.00	
Providence Institution for Savings,	90,000.00	
Worcester North Savings Institution,	30,000.00	\$1,165,000.00
December 7, 1903. To balance,		603,000.00
		<hr/>
		\$1,768,000.00

CR.

December 1, 1902. By balance,	\$400,000.00	
Receipts as per Treasurer's reports,	1,368,000.00	\$1,768,000.00
		<hr/>

CR.

December 7, 1903. Balance,	<hr/>	\$603,000.00
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TEXTILE SCHOOL.

DR.

Isaac B. Tompkins, jr., treasurer,	<u>\$8,000.00</u>
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CR.

By special appropriation,	<u>\$8,000.00</u>
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TRUST FUNDS.

CR.

BY SYLVIA ANN HOWLAND FREE PUBLIC LIBRARY
FUND :

One-half of the bequest of Sylvia Ann Howland for the support of liberal education and Free Public Library,	\$50,000.00
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BY SYLVIA ANN HOWLAND EDUCATIONAL FUND :

One-half of the bequest of Sylvia Ann Howland for the support of liberal education and Free Public Library,	50,000.00
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BY GEORGE HOWLAND, JR., FUND :

Donation to Free Public Library,	1,600.00
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BY CHARLES W. MORGAN FUND :

Bequest to Free Public Library,	1,000.00
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BY OLIVER CROCKER FUND :

Bequest to Free Public Library,	1,000.00
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BY JAMES B. CONGDON FUND :

Donation to Free Public Library,	500.00
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BY JONATHAN BOURNE PRIZE FUND :

Donation to School Committee,	1,000.00
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BY GEORGE O. CROCKER FUND :

Bequest to Free Public Library,	10,000.00
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BY ELIZABETH T. WOOD :

Bequest to Free Public Library,	2,000.00
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<u>\$117,100.00</u>

UNAPPROPRIATED FUNDS.

DR.

To transfer to : —

Appropriations, special, 1903,	\$89,995.13	
Armories and military property, boat shelter,	111.53	
Board of health,	681.89	
Board of health, contagious diseases,	1,623.13	
Cemetery board,	38.76	
City property,	610.93	
City property, polling place repairs,	200.00	
Com. of Mass., C. 79, R. L., soldiers' relief,	2,389.93	
Court judgments,	600.00	
Elections,	368.13	
Engineering department,	600.00	
Fire department,	2,000.00	
Free public library,	112.85	
Highways and streets,	4,394.85	
Incidentals, Memorial day,	875.00	
Pingree plan,	13.09	
Police department,	2,231.15	
Public baths,	238.08	
Public debt,	7,120.91	
Public schools, pay of teachers,	40,000.00	
Salaries of city officers,	250.00	
Sewer, Acushnet avenue, No. 1,	247.53	
Sewer, Deane street,	256.67	
Sewer, North Front street,	.01	
Sinking funds,	2,700.00	\$157,659.57

CR.

Receipts as per Treasurer's reports,	\$141,491.44
By department transfers,	16,168.13
	<u>\$157,659.57</u>

WOMEN'S WARD AND HOSPITAL AT THE
CITY ALMSHOUSE, CONSTRUCTION.

DR.

Dolphis Poirier, contractor,	<u>\$4,011.99</u>
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CR.

December 1, 1902. By balance,	<u>\$4,011.99</u>
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WOMEN'S WARD AND HOSPITAL AT THE
CITY ALMSHOUSE, HEATING AND
VENTILATING.

DR.

A. A. Sanborn, contractor,	<u>\$1,173.00</u>
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CR.

December 1, 1902. By balance,	<u>\$1,173.00</u>
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BALANCE OF PUBLIC PROPERTY.

DR.

To bonds issued,	\$230,000.00	
December 7, 1903. To balance,	2,101,390.03	<u>\$2,331,390.03</u>

CR.

December 1, 1902. By balance,	\$1,990,033.42	
Bonds paid,	202,000.00	
Public property, (other than water works,) 110,377.00		
Sinking fund commissioners,	28,979.61	<u>\$2,331,390.03</u>

CR.

December 7, 1903.	Balance,		<u>\$2,101,390.03</u>
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PUBLIC PROPERTY.

DR.

December 1, 1902.	To balance,	\$4,954,634.00	
Increase in valuation over 1902,		110,377.00	<u>\$5,065,011.00</u>

DR.

December 7, 1903.	To balance,		<u>\$5,065,011.00</u>
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SINKING FUND COMMISSIONERS.

DR.

December 1, 1902.	To balance,	\$1,044,399.42	
Increase in funds over 1902,		28,979.61	<u>\$1,073,379.03</u>

DR.

December 7, 1903.	To balance,		<u>\$1,073,379.03</u>
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BONDS.

DR.

Bonds paid,	\$202,000 00	
December 7, 1903. To balance,	3,937,000.00	<u>\$4,139,000.00</u>

CR.

December 1, 1902. By balance,	\$3,909,000.00	
By bonds issued,	230,000.00	<u>\$4,139,000.00</u>

CR.

December 7, 1903. Balance,	<u>\$3,937,000.00</u>
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INTEREST PAYABLE IN 1904 ON THE
BONDED DEBT.

\$60,000 water bonds at 7 per cent,	\$4,200
100,000 water bonds at 6 per cent,	6,000
20,000 water bonds at 5 per cent,	1,000
1,340,000 water bonds at 4 per cent,	53,600
48,000 water bonds at 3½ per cent,	1,680
90,000 improvement bonds at 6 per cent,	5,400
316,000 improvement bonds at 4 per cent,	12,640
89,000 improvement bonds at 4 per cent, 6 months,	1,780
420,000 improvement bonds at 3½ per cent,	14,700
178,000 schoolhouse bonds at 4 per cent,	7,120
507,000 schoolhouse bonds at 3½ per cent,	6,055
580,000 sewer bonds at 4 per cent,	23,200
173,000 sewer bonds at 3½ per cent,	6,055
100,000 park bonds at 4 per cent,	4,000
28,000 park bonds at 3½ per cent,	980
82,000 wharf bonds at 4 per cent,	<u>3,280</u>
<u>\$4,131,000</u>	<u>\$163,380</u>

BONDS OF THE
TITLES, RATES, AMOUNTS DUE

Due.	Water 7s.	Water 6s.	Water 5s.	Water 4s.	Water 3½s.	Improve- ment 6s.	Improve- ment 4s.
1904	\$10,000		\$20,000			\$10,000	\$89,000
1905	10,000	\$20,000				10,000	24,000
1906	10,000	20,000				10,000	
1907	10,000	20,000				10,000	172,000
1908	10,000	20,000				10,000	
1909	10,000	20,000				12,000	
1910						28,000	
1911							
1912							
1913							
1914							
1917							
1918				\$20,000			
1919							
1920							
1922							
1923							
1924				320,000			
1925							
1926				400,000			
1927				600,000			
1928							
1929							
1930					\$48,000		
1932							
1942							
1951							
	\$60,000	\$100,000	\$20,000	\$1,340,000	\$48,000	\$90,000	\$285,000

Overdue bonds unrepresented :

1904.	Improvement 6s,	\$1,000.00
1908.	“ “	5,000.00

\$6,000.00

CITY OF NEW BEDFORD.

ANNUALLY AND TOTALS.

Improve- ment 3½s.	Sch. house and other public buildings 4s.	Sch. house and other public buildings 3½s.	Sewers 4s.	Sewers 3½s.	Park Loan 4s.	Park Loan 3½s.	Wharf 4s.
\$62,000 108,000			\$35,000 43,000 48,000 57,000 100,000 108,000 32,000	\$60,000 15,000			
170,000 80,000	\$128,000	\$92,000 30,000 65,000 200,000 120,000	58,000 69,000	35,000 33,000 30,000			\$30,000
					\$100,000	\$28,000	52,000
\$420,000	\$128,000	\$507,000	\$550,000	\$173,000	\$100,000	\$28,000	\$82,000

Total bonded debt, including overdue
unpresented bonds, \$3,937,000.00

The following Table shows the Amount of Taxes Levied in this city since 1884, and the Rate per Thousand, for State, County and City Purposes; also the Number of Polls.

Year.	Valuation of Real Estate.	Valuation of Personal Property.	State Tax.	County Tax.	City Tax.	Overlay.	No. of Polls.	Rate of Tax.
1884	\$15,635,900	\$15,718,182.00	\$34,360	\$26,668.72	\$462,700	\$13,031.04	8,141	\$16.60
1885	16,293,800	15,104,090.00	27,770	27,735.50	457,950	17,028.11	8,349	16.30
1886	16,778,900	15,416,695.50	27,015	33,883.77	456,300	15,328.18	8,699	16.00
1887	17,372,600	15,309,658.00	40,522½	38,485.28	489,700	18,075.50	9,056	17.40
1888	18,023,700	15,430,647.00	40,522½	41,274.10	486,411	19,364.29	9,424	17.00
1889	18,928,000	15,718,866.00	34,700	51,476.17	508,600	17,642.91	9,972	17.10
1890	20,041,700	16,829,154.00	30,362½	50,632.30	519,300	22,120.12	10,710	16.80
1891	20,959,300	17,559,643.00	26,025	47,819.40	550,200	26,134.37	11,160	16.30
1892	22,094,300	18,179,813.00	31,377	51,410.26	606,700	27,976.39	11,861	17.30
1893	25,344,300	19,130,798.00	44,825	57,699.11	673,689	28,077.05	12,988	17.50
1894	31,835,500	19,599,425.00	35,860	67,796.46	699,176	25,711.57	13,080	15.60
1895	31,984,150	20,658,600.00	30,915	78,760.33	698,545	31,077.76	14,300	15.40
1896	33,920,700	22,360,417.00	36,067½	85,061.14	745,800	30,750.56	15,475	15.40
1897	35,595,800	22,575,978.00	36,067½	63,008.25	840,239	34,002.38	15,467	16.20
1898	35,871,525	21,480,601.00	31,905	115,007.51	934,251	41,693.30	15,348	19.20
1899	35,558,755	20,548,663.00	31,905	95,839.60	939,635	40,378.38	15,248	19.20
1900	35,762,290	22,122,162.50	31,905	93,922.80	909,343	15,345.49	15,875	17.60
1901	36,170,900	26,725,150.00	34,685	89,306.99	976,099	26,905.41	16,303	17.40
1902	37,051,000	25,510,800.00	36,341	94,604.46	1,018,772	12,761.05	16,952	17.40
1903	38,165,450	24,402,000.00	57,634	91,486.46	1,045,388	7,574.63	17,934	18.00

Average tax rate for 20 years, \$16.93.

CITY OF NEW BEDFORD,
IN COMMITTEE ON FINANCE,
April 2, 1904.

The sub-committee appointed to appraise the city property and to prepare a schedule of the same, respectfully reports as follows:

Armories and military property :

Rifle range, Tarkiln hill,	\$2,000.00	
Two brass field pieces,	1,300.00	\$3,300.00

Board of assessors :

Sundries as per inventory,	1,400.00	1,400.00
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Board of health :

Small pox hospital,	1,000.00	
Old almshouse and outbuildings,	1,500.00	
Furniture in hospital,	750.00	
Office furniture, fumigators, etc.,	805.00	
Ambulance and cab,	250.00	4,305.00

Cemetery board :

Oak Grove cemetery,	40,830.00	
Pine Grove cemetery,	800.00	
Rural cemetery,	132,858.00	
Receiving tomb, Rural cemetery,	5,267.00	
Old burying ground, Second street,	9,586.00	
Sundries as per inventory,	5,187.00	194,528.00

Department of wharves :

Rotch wharf,	22,000.00	
Taber wharf,	30,000.00	52,000.00

Engineering department :

Sundries as per inventory,	2,550.00	2,550.00
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Fire department :

No. 1, Engine house and lot,	13,590.00	
No. 2, " " " "	21,220.00	
No. 4, " " " "	16,009.00	
No. 5, " " " "	33,570.00	
No. 6, " " " "	13,000.00	
No. 7, " " " "	16,966.00	
No. 8, " " " "	26,410.00	
No. 9, " " " "	1,200.00	
Steam fire engine, No. 1,	3,000.00	
" " " No. 2,	3,000.00	
" " " No. 4,	3,000.00	
" " " No. 5,	3,500.00	
" " " No. 6,	3,000.00	
" " " No. 7,	3,300.00	
" " " No. 8,	3,500.00	
" " " Reserve,	3,500.00	
Chemical wagon,	1,750.00	
Nine hose wagons,	3,800.00	
Hand engine, No. 9,	500.00	
Hook and ladder truck, No. 1,	3,200.00	
" " " " No. 2,	3,000.00	
" " " " No. 3,	3,000.00	
" " " " old,	500.00	
Eighteen thousand feet of hose,	9,000.00	
Ten wagons,	3,000.00	
Forty-five horses and harnesses,	9,000.00	
Fire alarm telegraph system,	20,000.00	
Sundries as per inventory,	2,500.00	227,015.00

Free public library :

Land and building,	131,839.00	
Books, etc., in library,	60,000.00	
Furniture and fixtures in city offices,	2,000.00	193,839.00

New Bedford water works :

Old plant,	1,200,000.00	
Cost of works for further supply,	1,317,201.00	
New repair shop and land,	14,000	2,531,201.00

Park commission :

Buttonwood park,	35,865.00	
Brooklawn park,	31,450.00	

AUDITOR'S REPORT.

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City common,	85,000.00	
Grove park,	8,826.00	
Hazlewood park,	30,000.00	
Triangle park,	600.00	
Sundries as per inventory,	8,800.00	200,541.00

Police department :

Police station, Blackmer street,	13,504.00
“ “ Kempton street,	22,603.00
“ “ South Second street,	15,700.00
“ “ Weld street,	12,158.00
“ “ Willis street,	3,043.00
“ stable, South Second street,	4,368.00
“ signal system,	8,127.00

Horses, carriages and harnesses,	2,775.00	
Sundries as per inventory,	1,424.00	83,702.00

Poor department :

Almshouse, outbuildings and land,	115,658.00	
Furnishings, clothing and supplies,	4,125.00	
Carriages, harnesses, etc.,	325.00	
Farming utensils,	925.00	
Live stock,	2,050.00	
Hay, grain and vegetables,	2,175.00	
Wood and coal shed, North and Second streets,	3,000.00	
Fuel in shed,	100.00	128,358.00

Public buildings, land, etc. :

Bathing houses, East French avenue,	2,000.00
Building and land, High and Foster streets,	2,000.00
City hall and land,	141,466.00
Land, Acushnet avenue, near Phillips road,	200.00
Land, Cove road,	300.00
Land, Cove road shore,	100.00
Land, Belleville avenue,	1,000.00
Land, Hillman, Lindsey and North sts.,	6,500.00
Land, foot of Howland street,	4,500.00
Land, Kempton and Reed streets,	2,257.00
Land, south side of Kempton street,	100.00
Land, Mill and Park streets,	150.00

Land, n. e. corner Rockdale avenue and Arnold street,	350.00	
Land, n. e. corner Rockdale avenue and Arnold street,	450.00	
Land, Rural and Grape streets,	375.00	
Land, Salisbury and Ruth streets,	350.00	
Land, Warren street,	100.00	
Land, County, Court and Morgan sts.,	60,000.00	
Old police station, Mill street,	100.00	
Pound lot, Plainville road,	100.00	
Ward room and land, Fourth street,	1,400.00	
Ward room and land, Rivet and Briggs streets,	2,350.00	
Standard weights and measures,	500.00	226,648.00

Public schools, land and buildings :

Acushnet,	7,500.00
Acushnet avenue,	49,966.00
Blackmer street,	88,157.00
Brock avenue,	44,977.00
Cannonville,	1,665.00
Cedar street,	7,063.00
Cedar Grove street,	35,932.00
Clark street,	37,847.00
Coggeshall street,	84,525.00
Court street,	54,503.00
Dartmouth street,	17,106.00
Division street,	33,875.00
Dunbar street,	45,037.00
Fifth street,	35,898.00
Kempton street,	65,100.00
Linden street,	2,684.00
Madison street,	66,089.00
Maxfield street,	25,068.00
Merrimac street,	18,113.00
Middle street,	35,035.00
Parker street,	86,379.00
Phillips avenue,	47,561.00
Plainville,	1,000.00
Rockdale,	1,254.00
Shawmut avenue,	51,819.00
Summer street,	113,388.00
North,	2,000.00

AUDITOR'S REPORT.

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Thompson street,	37,800.00	
Union Truant,	1,500.00	
William street,	5,191.00	
Two portable buildings,	4,331.00	1,108,363.00
Street and sewer department :		
City stables and land,	45,400.00	
Sundries as per inventory,	56,061.00	101,461.00
Street light department :		
Lamp posts,	5,800.00	5,800.00
		<u>\$5,065,011.00</u>

RECAPITULATION.

Armories and military property,	\$3,300.00	
Board of assessors,	1,400.00	
Board of health,	4,305.00	
Cemetery board,	194,528.00	
Department of wharves,	52,000.00	
Engineering department,	2,550.00	
Fire department,	227,015.00	
Free public library,	193,839.00	
New Bedford water works,	2,531,201.00	
Park commission,	200,541.00	
Police department,	83,702.00	
Poor department,	128,358.00	
Public buildings, land, etc.,	226,648.00	
Public schools, land and buildings,	1,108,363.00	
Street and sewer department,	101,461.00	
Street light department,	5,800.00	<u>\$5,065,011.00</u>

CHAS. W. JONES,
FRANCIS P. WASHBURN,
HUGH DONAGHY,

Committee.

TRIAL BALANCE, CITY AUDITOR.

DECEMBER 7, 1903.

DR.

Appropriations, general, 1903,	\$71,592.72	
" " 1902,	22,497.07	
" special, 1903,	284,691.83	
" " 1902,	222,814.89	
City Treasurer, balance of cash,	126,880.66	
Com. of Mass., C. 79, R. L., burial of soldiers,	266.75	
" " " " military aid,	1,653.95	
" " " " state aid,	11,345.38	
Real estate tax account,	206.31	
Public property,	5,065,011.00	
Sinking funds,	1,073,379.03	\$6,880,339.59

CR.

Addition to almshouse kitchen,	\$619.99
Balance of public property,	2,101,390.03
Bonds,	3,937,000.00
Cemeteries, sale of lots,	4,459.73
Cemetery funds,	26,734.93
City property, polling place repairs,	200.00
" " portable schools,	1,176.57
" " special committee,	1,479.05
Department of wharves,	1,633.88
" " " City Wharf	
extension,	20,914.61
Dredging docks,	789.06
Engineering department, tides investigation,	790.11
Engine house, Kempton and Reed streets.	21,348.50
Free public library, dog fund,	1,262.95
Free public library, trustees of :	
James B. Congdon fund,	187.66
George O. Crocker fund,	61.62

Oliver Crocker fund,	279.06	
George Howland, jr., fund,	50.05	
Sylvia Ann Howland fund,	4.06	
Charles W. Morgan fund,	204.91	
Charles L. Wood fund,	225.54	
Reading rooms fund,	8.32	
Isolation hospital,	27,724.00	
N. B. school committee, Howland fund,	2,195.54	
N. B. water works,	4,696.37	
Public schools dog fund,	794.80	
Schoolhouse, Blackmer street, heating, etc.,	500.00	
“ Coggeshall “ “ “	500.00	
Sewer, Acushnet avenue, No. 1,	25.00	
“ “ “ No. 2,	183.25	
“ Cottage street, No. 2,	700.00	
“ Hazard street,	800.00	
“ Maitland street,	400.00	
“ Shawmut avenue, No. 3,	900.00	
Temporary loan,	603,000.00	
Trust funds,	117,100.00	\$6,880,339.59

We have examined the foregoing and find the same correct:

GEORGE H. HEDGE,
SAMUEL HIGHAM,
WILLIAM K. LEES,
JOSEPH L. GIBBS.

Sub-committee of the Joint Standing Committee on Finance, appointed to examine the books and accounts of the City Treasurer and City Auditor.

Approved:

HENRY P. JENNEY,
CHAS. H. LAWTON,
FRANK CROACHER,
WILLIAM K. LEES,
HENRY J. GURL,

Committee of Audit.

IN BOARD OF ALDERMEN,

May 12, 1904.

Received, ordered printed in the City Documents and
sent down for concurrence.

D. B. LEONARD, City Clerk.

IN COMMON COUNCIL,

May 12, 1904.

Concurred.

W. H. B. REMINGTON, Clerk.

ANNUAL REPORT

OF THE

COLLECTOR OF TAXES

FOR THE YEAR 1903.

STATEMENT
OF THE
COLLECTOR OF TAXES.

CITY OF NEW BEDFORD, MASS.,
COLLECTOR'S OFFICE,
December 7, 1903.

To the City Council of the City of New Bedford:

GENTLEMEN:—Herewith I present to you my account as Collector of Taxes of the City of New Bedford for the year ending at this date, including also an account of the receipts from the Commonwealth of Massachusetts for Corporation and other taxes.

Respectfully submitted,

JAMES H. HATHAWAY,
Collector of Taxes.

STATEMENT FOR THE YEARS 1901 AND 1902.

YEARS.	UNPAID, DEC. 1, 1902.	PAID AND REMITTED.	UNPAID DEC. 7, 1903.
1901	\$21,288.07	\$17,572.25	\$3,715.82
1902	70,845.84	47,595.80	23,250.04
	\$92,133 91	\$65,168.05	\$26,965.86

TAXES 1903.

State taxes,	\$49,550.00	
State taxes, Armory,	8,084.43	
County taxes,	91,486.46	
City taxes,	1,045,388.00	
Overlay,	7,574.63	\$1,202,083.52

PAYMENTS.

State Treasurer, State taxes,	\$49,550.00	
State Treasurer, Armory,	8,084.43	
State Treasurer, part of corporation taxes,	40,000.00	
County Treasurer, County taxes,	91,486.46	
City Treasurer, City taxes,	933,795.28	
Abatements by Assessors,	6,181.17	
Balance, unpaid Dec. 7, 1903,	72,986.18	\$1,202,083.52

About 94 per cent. of the tax levy of 1903 has been collected to this date.

The resident National Bank Taxes, collected and paid to the Commonwealth for 1903, amounted to \$37,919.47; this was in addition to the sum assessed and collected for account of the City of New Bedford.

The amounts received from the State Treasurer, for corporation and other taxes, were as follows:

Corporation taxes,	\$74,166.04	
National Bank taxes,	2,978.16	
Street Railway taxes,	9,377.22	\$86,521.42

Of the latter named sum, \$86,521.42, \$40,000 was by the assessors applied to the Appropriations General of 1903; the balance, \$46,521.42 was placed by the City Treasurer to the credit of Unappropriated Funds.

Total number of poll taxes for 1903,	18,240
Collected to date,	15,128
Uncollected,	3,112

At this date 82 per cent. of the poll taxes have been collected for 1903.



Examined and found correct: —

GEO. H. HEDGE,
SAMUEL HIGHAM,
WILLIAM K. LEES,

Sub-committee on Finance to examine the Treasurer's, Collector's and the Auditor's accounts.

IN BOARD OF ALDERMEN,

April 28, 1904.

Received, ordered printed in the City Documents and
sent down for concurrence.

D. B. LEONARD, City Clerk.

IN COMMON COUNCIL,

April 28, 1904.

Concurred.

W. H. B. REMINGTON, Clerk.

ANNUAL REPORT

OF THE

CITY TREASURER

FOR THE YEAR 1903.

REPORT.

CITY OF NEW BEDFORD, MASS.,
TREASURER'S OFFICE,
December 6, 1903.

To the City Council of the City of New Bedford :

GENTLEMEN: — As required by the Ordinances of the City of New Bedford, I herewith present a statement of my accounts as City Treasurer for the financial year ending at this date.

Very respectfully yours,

JAMES H. HATHAWAY,

City Treasurer.

TREASURER'S REPORT.

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RECEIPTS, INCLUDING BALANCE, DECEMBER 1, 1902.

Balance, December 1, 1902,	\$64,627 29
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APPROPRIATIONS GENERAL, 1903.

From Collector, taxes of 1903,	\$933,795.28	
From State Treasurer, corporation taxes,	40,000.00	973,795.28

APPROPRIATIONS GENERAL, 1902.

From Collector, taxes of 1902,	44,647.08
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APPROPRIATIONS GENERAL, 1901.

From Collector, taxes of 1901,	5,097.12
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APPROPRIATIONS SPECIAL, 1903.

Sale of Wharf Bonds, @ 102.495,	30,000.00
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APPROPRIATIONS SPECIAL, 1902.

Sale of School Bonds, @ 102.637,	120,000.00	
Sale of Improvement Bonds, @ 101.217,	80,000.00	200,000.00

BOARD OF HEALTH.

Amount returned, 2d audit,	2.34
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CEMETERY BOARD.

Received from sundry persons for care, as follows : —

Rural cemetery,	\$5,033.80	
Oak Grove cemetery,	3,701.69	
Pine Grove cemetery,	261.02	
Peckham West cemetery,	8.11	9,004.62

From Public Debt, permanent care,

Rural cemetery,	914.81	
Oak Grove cemetery,	788.12	
Pine Grove cemetery,	16.15	
Friends cemetery,	31.16	
Peckham West cemetery,	3.75	1,753 99

From Savings Banks, permanent care,			
Rural cemetery,	707.18		
Oak Grove cemetery,	368.78		
Pine Grove cemetery,	6.00		
Friends cemetery,	22.15		
Peckham West cemetery,	7.00		
St. Lawrence cemetery,	4.00		
St. John's cemetery,	2.00	1,117.11	11,875.72
		<hr/>	

CEMETERIES, SALE OF LOTS.

From sundry persons, as follows :—			
Rural cemetery,	3,420.00		
Oak Grove cemetery,	2,959.00		
Pine Grove cemetery,	130.00		6,509.00
		<hr/>	

COMMONWEALTH OF MASSACHUSETTS,
CHAPTER 79, OF 1903.

From State Treasurer, as follows :—			
Burial of soldiers and sailors,	385.00		
Military aid, $\frac{1}{2}$ amount disbursed,	1,588.25		
State aid,	12,123.50		14,096.75

DEPARTMENT OF WHARVES.

Received from sundry sources, as follows :—		
Schnr. A. C. Buckley, dockage,	20.00	
Yacht Aria, water,	34.00	
Roy H. Beattie, wharfage,	155.90	
Tug Boswell, water,	19.00	
Tug Boxer, water,	3.00	
City Coal Co., wharfage,	38.40	
City of New Bedford, Street Department,	250.00	
City of New Bedford, Water Works,		
wharfage, etc.,	313.35	
Yacht Concordia, water,	2.00	
C. M. Cole, dockage and water,	324.50	
U. S. S. Dexter, water,	54.00	
Str. Dona Maria, wharfage,	30.00	
David Duff & Son, wharfage,	32.30	
Schnr. Ellen S. Swift, wharfage,	8.78	
Stmr. Genevier, dockage,	15.00	

TREASURER'S REPORT.

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Lot H. Gibbs, wharfage,	95.48	
Schnr. W. A. Grozier, dockage, etc.,	38.00	
Tug H. A. Brandywine, water,	1.00	
Tug Harold, water,	4.00	
Tug Harriet, water, etc.,	68.00	
Brig Harry Smith, wharfage,	50.00	
Schnr. Horatio, wharfage,	62.70	
James L. Humphrey, rents,	152.08	
Yacht Idalia, water,	2.00	
Yacht Indolent, wharfage,	25.00	
Brig Leonora, water, etc.,	151.50	
Schnr. Lottie Beard, water, etc.,	65.52	
Otis B. Luce, dockage,	300.00	
Stmr. Lexington, dockage, etc.,	15.00	
Schnr. Maud Sherwood, dockage,	10.00	
Schnr. Melrose, dockage,	25.00	
Morse Twist Drill & Machine Co., wharfage,	20.00	
N. B. Cordage Co., wharfage,	33.00	
N. E. Cotton Yarn Co., wharfage,	5.25	
N. B. Fish Co., rents, etc.,	410.00	
N. B. M. V. & N. Steamboat Co., dockage,	276.18	
Tug N. & W. No. 1, water,	3.00	
S. S. Paine & Brother, wharfage,	59.00	
Stmr. Patria, dockage, etc.,	45.00	
Stmr. Peninsular, wharfage,	70.00	
William F. Potter & Co., rents,	765.00	
Tug R. M. Waterman, water,	3.00	
R. P. Reed, wharfage,	8.00	
W. A. Robinson, wharfage, etc.,	70.36	
Yacht Sentinal, water,	2.00	
John B. Sherman, rent,	18.00	
George B. Taber, dockage,	6.00	
Allen S. Tripp, dockage,	40.00	
Schnr. Viking, dockage,	24.00	
H. N. Walker, wharfage,	5.10	
Wamsutta Mills, wharfage,	5.50	
Warren Brothers Co., storage,	338.34	
Henry F. West, dockage,	85.00	4,657.24

FIRE DEPARTMENT.

From F. Macy, chief, sales of horses, etc.,	\$272.00
From Almshouse, dressing,	200.00

Bennett Mill, hose,	2.00	
Cole Bros., hose,	8.00	
Henry T. Corson, 2d audit, returned,	2.15	
Department of Wharves, hose,	12.00	
E. T. Dahill, 1st assistant, sale of horse,	70.00	
N. B. Dry Goods Co., 2d audit, returned,	11.40	
N. B. Product Co., hose,	8.00	
N. B. Street Department, hose,	16.00	
Potomska Mills, use of engine,	25.00	
Union Street Railway, wire,	15.00	641.55

FREE PUBLIC LIBRARY, DOG FUND.

From County Treasurer,	
One-half of dog licences,	1,656.13

FREE PUBLIC LIBRARY, TRUSTEES.

Interest on Trust Funds, as follows : —

James B. Congdon, gift,	30.00	
George O. Crocker, bequest,	400.00	
Oliver Crocker, bequest,	60.00	
George Howland, jr., gift,	96.00	
Sylvia Ann Howland, bequest,	3,000.00	
Charles W. Morgan, bequest,	60.00	
Charles L. Wood, bequest,	80.00	3,726.00

HIGHWAYS AND STREETS.

From sundry persons, stone, etc.,	16,698.57	
From sundry departments, labor, etc.,	27,261.65	
From Dartmouth & Westport Street Railway Co., franchise tax,	562.89	
From Old Colony Street Railway Co., franchise tax,	633.52	
From Union Street Railway Co., franchise tax,	5,458.49	50,615.12

NEW BEDFORD SCHOOL COMMITTEE, HOWLAND FUND.

Interest on Trust Funds : —

Sylvia Ann Howland, bequest,	3,000.00
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NEW BEDFORD SCHOOL COMMITTEE, BOURNE FUND.

Interest on Educational Fund : —

Jonothan Bourne, bequest,	60.00
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TREASURER'S REPORT.

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NEW BEDFORD SCHOOL COMMITTEE, DOG FUND.

From County Treasurer, one-half of amount received for dog licenses,	1,656 13
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NEW BEDFORD WATER WORKS.

From Water Registrar, as follows : —

Water rates,	124,124.26	
Servicees,	4,532.39	
Mains,	3,289.90	
Sale of meters,	2,588.92	
Land, buildings, taxes, etc.,	1,476.68	
Transferred from Further Water Supply,	3,178.40	
Mill piping,	197.11	
Work shop,	150.96	
Sealing mill fixtures,	111.68	
Hydrants,	81.51	
High Hill Reservoir,	58.00	
Fines,	30.00	
Little Quittacas Conduit,	7.58	
Pumping,	7.50	
Quittacas Pumping Station,	2.75	
Miscellaneous,	2.00	139,839.64

PARK COMMISSION.

Received from Park Commissioners : —

Stable fittings, "Hazelwood Park,"	47.00
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POLICE DEPARTMENT.

Board of Health, contagious diseases,	817.75	
Bristol Co. House of Correction, fines, etc.,	1,872.35	
Frank J. Chase, 2d audit,	30.50	
Chief of Police, sale of cloth,	545.00	
Third District Court of Bristol, fines, etc.,	4,683.27	7,948.87

POOR DEPARTMENT.

Received from sundry sources, as follows : —

CITIES AND TOWNS.

Acushnet,	97.00
Amesbury,	104.00

Attleboro,	64.00	
Boston,	267.43	
Charlton,	3.00	
Chelmsford,	16.50	
Cottage City,	40.00	
Dartmouth,	336.00	
Dedham,	3.00	
Easton,	27.00	
Edgartown,	120.50	
Fairhaven,	117.50	
Fall River,	500.00	
Falmouth,	9.50	
Fitchburg,	2.25	
Grandby,	8.00	
Hyde Park,	108.50	
Lawrence,	133.50	
Leominster,	10.50	
Lowell,	2.00	
Lunenburg,	7.66	
Marion,	113.00	
Middleboro,	46.50	
Nantucket,	81.39	
Newton,	22.00	
Palmer,	20.50	
Plymouth,	20.50	
Provincetown,	67.50	
Randolph,	36.50	
Salem,	65.57	
Springfield,	7.00	
Sturbridge,	15.00	
Taunton,	44.07	
Templeton,	43.37	
Waltham,	89.00	
Ware,	103.50	
Wareham,	120.98	
Westport,	58.50	
Winchendon,	2.23	2,934.95
Received for board, etc.,		
M. A. Atchison,	60.00	
C. H. Baker,	65.00	
E. Barker,	52.00	
George Boardman,	169.46	

TREASURER'S REPORT.

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Board of Health,	3.00	
Thomas Bowles,	14 57	
John W. Brenan,	156.00	
A. H. W. Carpenter, Gudn.,	72.00	
S. J. Cassidy, Jr.,	2.15	
Nancy C. Churchill,	169.46	
John Downey,	13.47	
William E. Dowty,	9.00	
L. S. Edwards,	104.92	
John Fisher,	40.00	
John Hall,	15 00	
James Harding,	140.67	
James H. Hathaway,	2.57	
Richard Haworth,	15.00	
Dr. S. W. Hayes,	643.00	
Capt. A. Jones,	1.28	
Manuel G. Lawrence,	4.36	
Theophile Lebeau,	50.00	
Henry W. Mason,	169.46	
H. K. Milliken,	10.00	
David Moncrieff,	111.25	
J. H. Moulton,	24.00	
Lawrence Munsey,	7.00	
Edward M. Murphey,	126.75	
New Bedford Fire Depart-		
ment, hay,	487.45	
New Bedford School Depart-		
ment, coal,	674.85	
Sarah B. Peckham,	24.00	
Michael Phelan,	6.00	
Nelson L. Pike,	120.89	
St. Luke's Hospital,	20.00	
William A. L. Smith,	23.14	
Stephen N. Sylvia,	20.00	
Dr. E. T. Tucker,	56.64	
John T. Turner,	153.00	
Ellen Wilding,	84.00	3,921.34

From State Treasurer:—

Burials,	1,326.00	
Contagious diseases,	16.00	
Educational, children,	67.50	
Support, general,	1,421.36	
Support, temporary,	1,276.48	4,107.34
		10,963.63

PUBLIC DEBT.

Commissioners of Sinking Funds, Improvement Bonds, maturing April 1, 1903,	162,000.00	
Department of Wharves, interest on \$52,000 bonds,	2,080.00	
Department of Wharves, interest on \$30,000 bonds,	600.00	
N. B. Water Works, from rates to pay bonds maturing October 1, 1903,	30,000.00	
N. B. Water Works, from rates, for interest, in part on water loans,	5,000.00	199,680.00

REAL ESTATE TAX ACCOUNT.

J. E. Herman, Est. tax, 1899,	26.60	
Maria Hetue, tax 1901,	5 62	32 22

SEWERS, GENERAL ACCOUNT.

Received from sundry persons for estimated cost and repairs of drains,	18,994.88	
Less difference in estimated costs,	618.65	18,376.23

SEWER, COTTAGE STREET, No. 1.

Received from Sewers, General Account, stock, labor, etc.,		26.49
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SINKING FUNDS.

Premium on \$120,000, School Bonds, sold @ 102.637,	3,164.40	
Premium on \$80,000, Improvement Bonds, sold @ 101.217,	973.60	
Premium on \$30,000, Wharf Bonds, sold @ 102.495,	748.50	4,886.50

SPRAYING TREES.

Received from sundry persons, viz : —		
Dr. J. C. Shaw,	2.28	
Caroline Stone,	5.70	
Rev. Joseph S. Swaim,	1.00	8.98

SPRINKLING STREETS.

Received from J. L. & H. K. Potter, for freight,		7.20
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TREASURER'S REPORT.

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TEMPORARY LOAN.

Loring, Tolman & Tupper, note of Jan. 9, 1903, @ $4\frac{1}{2}$ discount,	\$150,000.00	
N. B. Five Cents Savings Bank, note of Jan. 9, 1903, @ 4.67 interest,	50,000.00	
N. B. Five Cents Savings Bank, note of Feb. 28, 1903, @ 4.35 interest,	200,000.00	
F. S. Moseley & Co., note of March 13, 1903, @ 4.50 and 1-16 com.,	25,000.00	
Loring, Tolman & Tupper, note of March 13, 1903, @ $5\frac{1}{4}$ discount,	55,000.00	
Loring, Tolman & Tupper, note of March 14, 1903, @ $4\frac{3}{4}$ discount,	10,000.00	
F. S. Moseley & Co., note of March 16, 1903, @ $4\frac{1}{2}$ discount, 1-16 com.,	25,000.00	
Loring, Tolman & Tupper, note of April 13, 1903, @ 4.69 discount,	100,000.00	
Loring, Tolman & Tupper, note of May 5, 1903, @ 4.39 discount,	50,000.00	
Loring, Tolman & Tupper, note of May 27, 1903, @ 4.25 discount,	100,000.00	
Loring, Tolman & Tupper, note of June 23, 1903, @ 4.95 discount,	85,000.00	
Loring, Tolman & Tupper, note of June 26, 1903, @ 4.95 discount,	75,000.00	
Loring, Tolman & Tupper, note of August 14, 1903, @ $5\frac{1}{2}$ discount,	80,000.00	
N. B. Five Cents Savings Bank, note of Sept. 26, 1903, @ 5 per cent. interest,	45,000.00	
Commissioners of Sinking Funds, City, note of Nov. 1, 1903, @ 4.90 interest,	113,000.00	
Loring, Tolman & Tupper, note of Nov. 25, 1903, @ 4.75 discount,	125,000.00	
Loring, Tolman & Tupper, note of Dec. 12, 1903, @ 5 per cent. discount,	80,000.00	1,368,000.00

UNAPPROPRIATED FUNDS.

Received from interest on deposits : —

First National Bank,	\$377.28	
Mechanics National Bank,	305.58	
Merchants National Bank,	284.46	
N. B. Safe Deposit & Trust Co.,	254.00	1,221.32

Received from interest on taxes : —

Collector, taxes 1901,	1,792.47	
Collector, taxes 1902,	1,179.31	
Collector, taxes 1903,	.155.60	
Collector, sewer taxes,	25.57	
Collector, 1 per cent. on bank taxes,	379.89	3,532.84

Received for taxes in excess of appropriations : —

Collector, taxes 1899,	38.86	
Collector, taxes 1900,	26.40	
Collector, taxes 1901,	12,019.91	12,085.17

Received for Liquor Licenses : —

46 1st and 4th class, @ \$1,400,	\$64,400.00	
1 1st class,	1,100.00	
10 1st class, Inn Holder, \$1,500,	15,000.00	
5 4th class, Bottlers, \$600,	3,000.00	
7 Club Licenses, 300,	2,100.00	
36 6th class, Drug Licenses,	36.00	
	<hr/> \$85,636.00	
Less $\frac{1}{4}$ to State,	21,409.00	
	<hr/>	64,227.00

From other licenses, fees, etc. : —

Board of Health, fees, etc.,	17.25	
City Clerk, fees,	613 00	
City Clerk, licenses,	1,328.50	
Entering Sewers,	560.00	
Milk Licenses,	146.00	
Pedlers' Licenses,	100.00	
Public Baths, fees,	225.94	
Sealer of Weights and Measures,	277.62	3,268.31

From School Department : —

Sale of books,	46.90	
Sale of furniture,	75.90	
Tuition to N. R. pupils,	2,210.02	2,332.82

TREASURER'S REPORT.

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For rents, etc. :—

City Hall,	275.86	
Ward Room,	25.00	
Sale of Chairs,	14.73	315.59

From accrued interest on sale of bonds :—

On \$200,000, Municipal Bonds,	324.72	
On \$30,000, Wharf Bonds,	442.82	767.54

From Engineering Department :—

Sundry sales of blue prints, etc.,		63.14
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From amounts in audits :—

Returned to treasury,		331.74
From taxes on ships in foreign trade,		58.11

From State Treasurer :—

Balance of corporation tax,	34,166.04	
Non-resident bank taxes,	2,668.03	
Armory rents,	500.00	
Street railway tax,	9,377.22	
Expense, contagious diseases,	16.00	46,727.29

From sundry sources :—

Eunice Averill, soldiers' relief,	46.60	
Standish Bourne, sale of carpet,	12.46	
Charles H. Brownell, sale of elevator, Morgan house,	15.00	
Church & Hammond, 2d audit,	.45	
William E. Hathaway, 2d audit,	24.58	
Incidentals, 2d audit,	12.00	
John McCullough, old iron,	48.03	
A. G. Pierce, Jr., spray trees,	.85	
Alexander A. Tripp, sale of Morgan house,	182.25	342.22

Sewer Taxes :—

Sewer, Allen st.,	14.58	
Briggs st.,	222.09	

Cleveland st.,	227.13		
Davis st.,	585.17		
Front and Tinkham			
sts.,	375.24		
Hemlock st., Nos. 1			
and 2,	195.24		
North st.,	192.16		
Peckham and Myrtle			
sts.,	199.68		
Phillips avenue,	1,342.49		
Ruth st.,	528.50		
Trinity st.,	181.25		
Valentine and Wil-			
lard sts.,	1,125.37		
W. French ave. and			
Woodlawn st.,	1,029.45	6,218.35	141,491.44
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Receipts, including balance, December 1, 1902,			\$3,307,970.95
Expenditures, per warrants of the mayor,			3,181,090 29
<hr/>			
Balance, December 7, 1903,			\$126,880.66
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EXPENDITURES.

Payments on the warrants of the mayor for the year have been as follows: —

Appropriations, special, 1902,	\$60,000.00
Addition to Almshouse Kitchen,	1,661.45
Armories and Military Property,	2,858.88
" " " " boat shelter,	411 53
Board of Assessors,	6,499.82
Board of Health,	35,683.71
Board of Health, contagious diseases,	4,882.19
Cemetery Board,	31,914.48
Cemeteries, sale of lots,	2,913.47
City Property,	18,610.93
City Property, portable schoolhouses,	4,523 43
Coggeshall Street Bridge,	45 86
" " " repairs,	5,399.91

TREASURER'S REPORT.

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Com. of Mass., Chapter 79, Burials,	280 00
“ “ “ “ Military Aid,	3,282.54
“ “ “ “ Soldiers' Relief,	14,389.93
“ “ “ “ State Aid,	12,425.85
Court Judgments,	600 00
Department of Wharves,	5,672.41
“ “ “ extension,	9,085.39
Dredging Docks,	2,210.94
Elections,	4,868.13
Engineering Department,	10,577.55
“ “ tides, etc.,	237.09
Fire Department,	86,390.52
Fourth of July Celebration,	999.33
Free Public Library,	12,112.85
“ “ “ dog fund,	2,555.47
Free Public Library, trustees account :—	
George O. Crocker, fund,	412.87
George Howland, Jr., fund,	268.38
Sylvia Ann Howland, fund,	3,772.04
Charles W. Morgan, fund,	81.33
Charles L. Wood, fund,	142.64
Reading Room, fund,	132.34
Highways and Streets,	225,009.97
Incidentals,	33,005.38
Incidentals, Memorial Day,	875.00
Land Damages, layout of :	
Linden court,	300.00
Penniman street,	681.43
Reynolds street, No. 1,	600.00
Reynolds street, No. 2,	200.00
License Commission,	542.29
Lighting the Streets,	59,423.79
N. B. School Committee, Howland fund, ,	2,336.14
“ “ “ Bourne Prize fund,	60 00
N. B. Water Works,	167,727.73
“ “ “ Further Water Supply,	3,178.40
Park Commission,	42,042.33
Parker Street School,	
Alterations, etc.,	4,495.17
Heating, etc.,	1,153.00
Refurnishing,	1,366.08
Pingree Plan,	1,213.09

Plans, new high school,	23,772.87	
Police Department,	122,180.02	
Poor Department,	78,366.68	
Printing, binding and stationery,	2,914.43	
Public Baths,	1,238.08	
Public Debt,	401,110.91	
Public Schools, dog fund,	3,658.84	
" " incidentals,	73,987.90	
" " pay of teachers,	180,687.23	
" " repairs of buildings,	9,893.01	
Real Estate Tax Account,	41.12	
Salaries,	28,129.55	
Sewers, general account,	31,996.78	
Acushnet avenue, No. 1,	967.22	
" " No. 2,	16.75	
Bay and Dartmouth streets,	49.92	
Belleville road,	8,462.05	
Bolton road,	266.77	
Chepatchet street,	2,629.08	
Cleveland street,	309.34	
Clinton street,	656.96	
Coggeshall street,	2,071.80	
Collette street,	2,954.83	
Cottage street, No. 1,	604.89	
Dean street,	4,261.90	
Devoll street,	632.74	
Maxfield street,	641.92	
McGurk street,	931.18	
North Front street,	1,424.80	
Phillips avenue,	560.03	
Reed street,	275.16	
Rockdale avenue,	1,131.31	
Ruth street,	159.61	
Shawmut avenue, No. 1,	327.99	
" " No. 2,	394.53	
Tallman street,	1,597.64	
Tinkham street,	413.91	
Sinking Funds,	115,091.50	
Spraying Trees,	945.18	
Sprinkling Streets,	7,035.81	
Temporary Loan,	1,165,000.00	
Textile School,	8,000.00	
Women's Ward, hospital, construction,	4,011.99	
Women's Ward, hospital, heating,	1,173.00	\$3,181,090.29

TREASURER'S REPORT.

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TRUST FUNDS OF THE CITY OF NEW BEDFORD.

New Bedford School Committee : —

One-half of Sylvia Ann Howland bequest, invested in the water works construction, at 6 per cent.,	50,000.00
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Free Public Library, Trustees' Account : —

One-half of Sylvia Ann Howland bequest, invested in the water works construction, at 6 per cent.,	50,000.00
	<u>\$100,000.00</u>

New Bedford School Committee : —

Jonathan Bourne, educational fund, held as cash in the treasury, at 6 per cent.,	1,000.00
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Free Public Library, Trustees' Account : —

(held as cash in the treasury,)

George Howland, Jr., gift,	\$1,600.00	
Oliver Crocker, bequest,	1,000.00	
Charles W. Morgan, bequest,	1,000.00	
James B. Congdon, gift,	500.00	
George O. Crocker, bequest,		
@ 4 per cent.,	10,000.00	
Charles L. Wood, bequest,	2,000.00	16,100 00

Cemetery Funds, perpetual care of lots,

(held as cash in the treasury,)

@ 6 per cent.,	26,734.93
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Cemetery Funds, perpetual care of lots,

(deposited in savings banks),

Balance, December 1, 1902,	47,902.14	
Receipts for 1903,	8,162.55	82,799.62

Trust Funds, December 7, 1903,		<u>\$199,899.62</u>
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We have examined the foregoing statement of the City Treasurer and find it to be correct.

GEO. H. HEDGE,
SAMUEL HIGHAM,
WILLIAM K. LEES,

Sub-committee of the Joint Standing Committee on Finance, appointed to examine the accounts of the City Treasurer and City Auditor.

IN BOARD OF ALDERMEN,

April 28, 1904.

Received, ordered printed in the City Documents and
sent down for concurrence.

D. B. LEONARD, City Clerk.

IN COMMON COUNCIL,

April 28, 1904.

Concurred.

W. H. B. REMINGTON, Clerk.

ANNUAL REPORT

OF THE

Sinking Fund Commissioners

OF THE

CITY OF NEW BEDFORD

FOR THE YEAR 1903.

Report

OF THE

Treasurer of the Sinking Funds.

CITY OF NEW BEDFORD, MASS.,
TREASURER'S OFFICE,
January 1, 1904.

*To the Commissioners of Sinking Funds of the City of
New Bedford:*

GENTLEMEN:—Herewith please find a statement of my account as Treasurer of the Sinking Funds of the City of New Bedford for the year ending at this date, together with a list of securities now held by you.

DR.

Par value of the funds January 1, 1903,	\$1,044,399.42	
Appropriations by the City Council,		
requirements for municipal debt,	107,505.00	
Received from water rates,	12,000.00	
Received from wharf rates, etc.,	3,740.00	
Premiums to sinking funds, from city,	15,918.50	
Premiums on bonds sold, etc.,	13,863.11	
Income on investments,	43,192.18	
Income on savings bank deposits,	203.49	\$1,240,821.70

CR.

Paid accrued interest on investments,	\$841.50	
Paid premiums on same,	4,601.17	
Paid City Treasurer, for maturing bonds,		
April 1, 1903,	162,000.00	
Sinking funds at par, January 1, 1904,	1,073,379.03	\$1,240,821.70

APPROPRIATIONS.

The appropriations by the City Council and Water Board, together with the amount received from the income from the city wharves, to reduce the public debt for the year 1903, were as follows, viz: —

Sinking Funds, January 1, 1903,	\$1,044,399.42
For \$30,000 Sewer Bonds, April 1, 1886,	
20 years,	\$1,200.00
For \$30,000 Sewer Bonds, Oct. 1, 1886,	
20 years,	1,200.00
For \$15,000 Sewer Bonds, April 1, 1887,	
20 years,	600.00
For \$35,000 Sewer Bonds, April 1, 1888,	
20 years,	1,400.00
For \$43,000 Sewer Bonds, April 1, 1889,	
20 years,	1,720.00
For \$48,000 Sewer Bonds, April 1, 1890,	
20 years,	1,920.00
For \$57,000 Sewer Bonds, April 1, 1891,	
20 years,	2,280.00
For \$100,000 Sewer Bonds, April 1, 1892,	
20 years,	4,000.00
For \$100,000 Park Loan, June 1, 1892,	
50 years,	1,000.00
For \$108,000 Sewer Bonds, April 1, 1893,	
20 years,	4,320.00
For \$162,000 Improvement Bonds, April 1,	
1893, 10 years,	12,720.00
For \$32,000 Sewer Bonds, April 1, 1894,	
20 years,	1,280.00
For \$89,000 Improvement Bonds, April 1,	
1894, 10 years,	7,120.00

SINKING FUNDS.

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For \$58,000 Sewer Bonds, April 1, 1895,	
30 years,	1,169.00
For \$24,000 Improvement Bonds, April 1,	
1895, 10 years,	1,920.00
For \$172,000 Improvement Bonds, March 1,	
1897, 10 years,	13,760.00
For \$128,000 School Bonds, March 1, 1897,	
20 years,	5,120.00
For \$69,000 Sewer Bonds, March 1, 1897,	
30 years,	1,380.00
For \$35,000 Sewer Bonds, February 1, 1898,	
30 years,	875.00
For \$92,000 School Bonds, February 1, 1898,	
20 years,	3,680.00
For \$62,000 Improvement Bonds, February 1,	
1898, 10 years,	4,960.00
For \$108,000 Improvement Bonds, February 1,	
1899, 10 years,	8,640.00
For \$30,000 School Bonds, February 1, 1899,	
20 years,	1,200.00
For \$33,000 Sewer Bonds, February 1, 1899,	
30 years,	750.00
For \$200,000 School Bonds, June 1, 1900,	
20 years,	8,000.00
For \$170,000 Improvement Bonds, March 1,	
1902, 10 years,	15,300.00
For \$20,000 Water Bonds, April 1, 1888,	
30 years,	400.00
For \$120,000 Water Bonds, April 1, 1894,	
30 years,	2,400.00
For \$48,000 Water Bonds, June 1, 1900,	
30 years,	1,200.00
For \$1,200,000 Water Bonds, April 1, 1896,	
30 years,	8,000.00
For \$52,000 Wharf Bonds, May 1, 1897,	
30 years,	1,040.00
For \$30,000 Wharf Bonds, May 1, 1903,	
10 years,	2,700.00
For \$120,000 Improvement Bonds, Dec. 1,	
1903, 10 years, premium,	6,619.20
For \$50,000 School Bonds, Dec. 1, 1903,	
20 years, premium,	2,758.00
For \$30,000 Sewer Bonds, Dec. 1, 1903,	
30 years, premium,	1,654.80

SINKING FUNDS.

For \$30,000 Wharf Bonds, May 1, 1903,		
10 years, premium,	748.50	
For \$120,000 School Bonds, February 1, 1903,		
20 years, premium,	3,164.40	
For \$80,000 Improvement Bonds, February 1,		
1903, 10 years, premium,	973 60	\$139,163.50
	<hr/>	
Interest on investments,		43,395.67
Premiums on bonds purchased and sold,		13,863.11
		<hr/>
		\$1,240,821.70

PAYMENTS.

To City Treasurer, Improvement Bonds,		
matured April 1, 1903,	\$162,000.00	
Premium on bonds purchased,	4,601.17	
Accrued interest on same,	841.50	\$167,442.67
	<hr/>	<hr/>
Net value of Sinking Funds, at par,		\$1,073,379.03

SINKING FUNDS — CITY OF NEW BEDFORD.
BALANCE SHEET — JANUARY 1, 1903.

PAGE.	NUMBER.	DR.	CR.
18	Sinking Fund No. 3		\$29,866.23
25	4		27,609.15
28	5		13,818.66
37	8		29,658.29
40	9		11,138.45
43	10		33,425.12
49	12		34,114.08
54	14		36,858.89
60	16		58,569.98
63	18		13,179.18
65	19		56,933.92
67	20		313.88
73	21		14,192.52
75	22		83,709.75
77	23		27,007.40
79	24		196,851.73
81	25		11,994.93
83	26		19,853.35
87	27		107,739.63
89	28		40,071.83
91	29		10,802.42
93	30		8,125.39
94	31		4,857.55
95	32		24,334.81
96	33		32,815.87
98	34		47,076.45
100	35		6,538.43
102	36		3,690.71
104	37		34,561.10
106	38		5,184.21
110	39		2,465.71
111	40		2,038.51
112	41		3,357.33
113	42		21,060.44
114	43		3,324.95
116	44		1,022.99
117	45		3,623.46
118	46		6,955.04
119	47		2,897.93
120	48		1,738.76
115	Bond Account,	\$951,925.00	
72	Savings Bank and Loan Account,	119,575.74	
11	Deposits, First National Bank,	1,878.29	
		\$1,073,379.03	\$1,073,379.03

LIST OF SECURITIES HELD BY THE COMMISSIONERS OF
SINKING FUNDS, JANUARY 1, 1904.

Attleboroughs, 4s, July 1, 1926,	\$18,000.00
Albany & Susquehanna Railway Bonds, 7s,	
April 1, 1906,	19,000.00
Bridgeports, Conn., 4s, Jan. 1, 1924,	6,000.00
Brocktons, 4s, April 1, 1924,	7,000.00
Brocktons, 4s, Dec. 15, 1923,	1,000.00
Burlington & Mo. River Railway Bonds, 6s,	
July 1, 1918,	7,000.00
Burlington & Mo. River Railway Bonds, 6s,	
July 1, 1918,	3,800.00
Boston & Maines, 4½s, Jan. 1, 1944,	5,000.00
Chicago & North Western, Extn., 7s, April 1,	
1911,	5,000.00
Cambridges, 4s, August 1, 1924,	32,000.00
Cambridges, 4s, February 1, 1924,	4,000.00
Clintons, 3½s, Oct. 1, 1905-21,	11,000.00
C. B. & Q. Railway Bonds, 4s, July 1, 1905,	5,000.00
C. B. & Q. Railway Bonds, 4s, May 1, 1927,	5,000.00
C. B. & Q. Railway Bonds, 4s, Oct. 1, 1919,	6,000.00
C. B. & Q. Railway Bonds, 3½s, July 1,	
1949,	19,000.00
Cedar Rapids & Missouri, 7s, June 1, 1909,	4,000.00
Dakota Centrals, 6s, September 1, 1907,	35,000.00
Erie & Pittsburgs, 3½s, July 1, 1940,	50,000.00
Fitchburg Ry. Co., 4s, March 1, 1927,	5,000.00
Grand Rapids & Mich., 4½s, Oct. 1, 1913,	40,000.00
Hannibal & St. Jos., Con. 6s, March 1, 1911,	5,000.00
Haverhills, 4s, Oct. 1, 1921,	20,000.00
Haverhills, 4s, Dec. 1, 1922,	5,000.00
Hyde Parks, 4s, May 1, 1908,	5,000.00
Hyde Parks, 4s, May 1, 1909,	5,000.00
Indianapolis, Ind., 4s, March 1, 1924,	5,000.00
Indianapolis, Ind., 4s, June 30, 1924,	5,000.00
Illinois Centrals, 3s, Aug. 1, 1851,	10,000.00
Illinois Centrals, 3½s, July 1, 1953,	7,000.00

Joliet & No. Indianas, 7s, July 10, 1907,	20,000.00
Kansas City, St. J. & C. B., 7s, Jan. 1, 1907,	25,000.00
Kalamazoo, Alagan & G. R., 5s, Jan. 1, 1938,	4,000.00
Lynn, Mass., 4s, Jan. 1, 1922,	5,000.00
Lynn, Mass., 4s, Oct. 1, 1923,	1,000.00
Lynn, Mass., April 1, 1923,	3,000.00
Lynn Mass., 4s, Sept. 1, 1908,	6,000.00
Michigan Centrals, 3½s, May 1, 1952,	20,000.00
Milwaukees, Mich., 5s, July 2, 1906,	20,000.00
Maldens, Mass, 4s, May 1, 1924,	5,000.00
Maldens, Mass., 4s, May 2, 1925,	20,000.00
Maldens, Mass., 4s, Jan. 1, 1916,	10,000.00
Meridens, Conn., 4s, May 15, 1907,	10,000.00
Medfords, Mass., 4s, Aug. 1, 1918,	30,000.00
Milwaukees, Lake Shore & Westerns, 6s, July 1, 1924,	3,000.00
Milwaukee, Lake Shore & Westerns, 5s, February 1, 1929,	19,000.00
Middletons, Conn., 3½s, Dec. 1, 1921,	5,000.00
Naumkeag Street Ry. Co., Gold, 5s, July 1, 1910,	5,000.00
New Bedfords, 4s, April 1, 1924,	3,000.00
New Bedfords, 3½s, Oct. 1, 1906,	30,000.00
New Bedfords, 4s, May 1, 1927,	52,000.00
New Bedfords, 3½s, Feb. 1, 1928,	3,000.00
New Bedfords, 3½, Feb. 1, 1918,	4,000.00
New Bedfords, 3½s, Feb. 1, 1919,	7,000.00
New Bedford Note, 4.90, May 1, 1904,	113,000.00
New Britains, Conn., 4s, Aug. 1, 1908,	25,000.00
New Britains, Conn., 4s, July 1, 1924,	9,000.00
Newtons, Mass., 4s, April 1, 1924,	19,000.00
Newtons, Mass., 4s, May 1, 1927,	16,000.00
Newports, R. I., 4s, May 15, 1923,	15,000.00
New York & New England Ry. Co., 6s, Jan. 1, 1905,	25,000.00
New York & New England Ry. Co., 7s, Jan. 1, 1905,	8,000.00
New York & New England Ry. Co., 6s, Jan. 1, 1905,	1,000.00
Peoria & No. Westerns, Gold, 3½s, March 1, 1926,	5,000.00
Quincys, Mass., 4s, May 1, 1923,	20,000.00
Saginaws, Mich., 5½s, Nov. 1, 1913,	15,000.00

Saginaws, Mich., 4s, April 1, 1923,	10,000.00	
Saginaws, Mich., 4s, Dec. 1, 1919,	10,000.00	
St. Johnsbury & Lake Champlains, 5s, March 1, 1944,	6,000.00	
Tauntons, Mass., 4s, June 1, 1915,	1,000.00	
Tauntons, Mass., 4s, June 1, 1905,	4,000.00	
Tauntons, Mass., 4s, June 1, 1905,	7,125.00	
Tauntons, Mass., 4s, Dec. 1, 1915,	2,000.00	
Tauntons, Mass., 4s, Dec. 1, 1906,	19,000.00	
Tauntons, Mass., 4s, Dec. 1, 1907,	4,000.00	
Walthams, Mass., 4s, Jan. 1, 1907,	3,000.00	
Walthams, Mass., 4s, April 1, 1917,	6,000.00	
Walthams, Mass., 4s, Jan. 1, 1927,	2,000.00	
Wakefields, Mass., 4s, Oct. 1, 1918,	9,000.00	
Woonsocket, R. I., 4s, April 1, 1924,	3,000.00	
Worcesters, Mass., 4s, July 1, 1928,	17,000.00	
West End Street Rail Co., 4s, Aug. 1, 1932,	14,000.00	
C. B. & Qs., 3½s, July 1, 1929,	12,000.00	
City Institution for Savings, Lowell,	1,000.00	
Charlestown Five Cents Savings Bank,	1,356.10	
The Boston Five Cents Savings Bank,	1,381.23	
New Bedford Institution for Savings,	1,376.21	
New Bedford Five Cents Savings Bank,	1,462.20	
First National Bank, Deposits, Jan., 1904,	1,878.29	\$1,073,379 03

AMOUNT OF SINKING FUNDS AND LOANS
SECURED BY SAME IN EACH CLASS.

CLASS.	SINKING FUNDS.	LOANS.	WHEN DUE.
3	\$29,866.23	\$30,000	April 1, 1906
4	27,609.15	30,000	Oct. 1, 1906
5	13,818.66	15,000	April 1, 1907
8	29,658.29	35,000	April 1, 1908
9	11,138.45	20,000	April 1, 1918
10	33,425.12	43,000	April 1, 1909
12	34,114.08	48,000	April 1, 1910
14	36,858.89	57,000	April 1, 1911
16	58,569.98	100,000	April 1, 1912
18	13,179.18	100,000	April 1, 1942
19	56,933.92	108,000	April 1, 1913
*20	313.88	162,000	April 1, 1903
21	14,192.52	32,000	April 1, 1914
22	83,709.75	89,000	April 1, 1904
23	27,007.40	120,000	April 1, 1924
24	196,851.73	1,200,000	April 1, 1927
25	11,994.93	58,000	April 1, 1925
26	19,853.35	24,000	April 1, 1905
27	107,739.63	172,000	Mar. 1, 1907
28	40,071.83	128,000	Mar. 1, 1917
29	10,802.42	69,000	Mar. 1, 1927
30	8,125.39	52,000	May 1, 1927
31	4,857.55	35,000	Feb. 1, 1928
32	24,334.81	92,000	Feb. 1, 1918
33	32,815.87	62,000	Feb. 1, 1908
34	47,076.45	108,000	Feb. 1, 1909
35	6,538.43	30,000	Feb. 1, 1919
36	3,690.71	33,000	Feb. 1, 1929
37	34,561.10	200,000	June 1, 1920
38	5,184.21	48,000	June 1, 1930
39	2,465.71	28,000	July 1, 1951
40	2,038.51	30,000	Mar. 1, 1932
41	3,357.33	65,000	Mar. 1, 1922
42	21,060.44	170,000	Mar. 1, 1912
43	3,324.95	120,000	Feb. 1, 1923
44	1,022.99	80,000	Feb. 1, 1913
45	3,623.46	30,000	May 1, 1913
46	6,955.04	120,000	Dec. 1, 1913
47	2,897.93	50,000	Dec. 1, 1923
48	1,738.76	30,000	Dec. 1, 1933
	\$1,073,379.03	\$4,023,000	

* NOTE — Sinking Fund No. 20, \$162,000, \$313.88, is the excess, matured April 1, 1903.

Respectfully submitted, JAMES H. HATHAWAY,
Treasurer of Sinking Funds.

Report

OF THE

Commissioners of the Sinking Funds.

CITY OF NEW BEDFORD, MASS.,
TREASURER'S OFFICE,
February, 1904.

To the City Council of the City of New Bedford :

GENTLEMEN: — At a meeting of the Commissioners of Sinking Funds of the City of New Bedford, held at this date, it was

VOTED — To adopt the foregoing statement of the Treasurer of the Sinking Funds as the report of the Commissioners of the Sinking Funds of the City of New Bedford, required by the Statutes of the Commonwealth of Massachusetts, to be made annually to the City Council.

MORGAN ROTCH,
WILLIAM A. MACKIE,
BENJAMIN F. BROWNELL,

Commissioners of the Sinking Funds.

We have examined the foregoing account and find it correct.

GEO. H. HEDGE,
SAMUEL HIGHAM,
WILLIAM K. LEES,

Sub-committee on Finance to examine the Treasurer's, Collector's and Auditor's accounts.

IN BOARD OF ALDERMEN,

April 28, 1904.

Received, ordered printed in the City Documents and
sent down for concurrence.

D. B. LEONARD, City Clerk.

IN COMMON COUNCIL,

April 28, 1904.

Concurred.

W. H. B. REMINGTON, Clerk.

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1904. CITY DOCUMENT. No. 9.

ANNUAL REPORT

OF THE

CHIEF OF POLICE

OF THE

CITY OF NEW BEDFORD

FOR THE YEAR ENDING DECEMBER 31ST,
1903.

NEW BEDFORD, MASS.
THE A. E. COFFIN PRESS, CITY PRINTERS,
1904.

CITY OF NEW BEDFORD,
IN BOARD OF ALDERMEN,
Feb. 11, 1904.

Received, ordered printed in the City Documents,
and sent down for concurrence.

D. B. LEONARD, City Clerk.

IN COMMON COUNCIL,
Feb. 11, 1904.

Concurred.

W. H. B. REMINGTON, Clerk.

Annual Report.

NEW BEDFORD, MASS.,
December 31, 1903.

To His Honor the Mayor, and Gentlemen of the City Council :

GENTLEMEN:—I have the honor to submit herewith the annual report of the condition and doings of the Police Department for the year ending Dec. 31, 1903.

This department at present consists of the following :

Chief,	1	Emergency officer,	1
Deputy chief,	1	Harbor police,	1
Captains,	2	Wagonmen,	2
Lieutenants,	7	Drivers,	2
Inspectors,	2	Housekeepers,	10
Sergeants,	6	Matron,	1
Patrolmen,	72	Janitor,	1
Clerk,	1		—
		Total,	110

NUMBER OF ARRESTS DURING THE YEAR, 2,302.

Arrests by months : —

January,	165	Males,	1,954
February,	163	Females,	348
March,	210	Americans,	1,032
April,	188	Foreigners,	1,270
May,	214	Non-residents,	531
June,	206	Minors,	208
July,	181	Commitments,	1,168
August,	197	On warrants,	481
September,	247		
October,	188		
November,	146		
December,	197		

Arrests in 1896,	2,104
“ 1897,	2,089
“ 1898,	1,852
“ 1899,	2,237
“ 1900,	1,875
“ 1901,	2,063
“ 1902,	2,357
“ 1903,	2,302

AMOUNT OF FINES IN THIRD BRISTOL DISTRICT COURT,
\$4,630 69.

1st quarter,	\$898.45	3rd quarter,	\$1,294.42
2nd “	1,351.35	4th “	1,086.47
Total,	\$4,630 69		-

Fines in 1896,	\$7,885.76
“ 1897,	7,084.60
“ 1898,	6,089.66
“ 1899,	5,141.09
“ 1900,	4,663.28
“ 1901,	4,319.89
“ 1902,	5,242.24
“ 1903,	4,630.69

POLICE REPORT.

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LODGERS.

Number of lodgers during the year, 203

Males,	192
Females,	11
Americans,	120
Foreigners,	83
Non-residents,	183
Minors,	3

NATIVITY OF LODGERS.

United States,	120
British Provinces,	5
Canada,	14
Denmark,	1
England,	21
France,	2
Germany,	2
Ireland,	19
Italy,	2
Portugal,	7
Scotland,	8
Sweden,	2

NATIVITY OF PRISONERS.

United States,	1,032
Austria,	13
British Provinces,	53
Belgium,	2
Brazil,	2
Canada,	315
Denmark,	1
England,	273
Finland,	4
France,	6
Germany,	19
Greece,	1
Holland,	1

Ireland,	275
Italy,	11
Norway,	7
Poland,	76
Portugal,	121
Russia,	20
Scotland,	49
Sweden,	10
St. Helena,	1
Wales,	9
West Indies,	1

OFFENCES.

Adultery,	12
Assault and battery,	165
Assault felonious,	2
Assault on officer,	1
Assault with weapon,	1
Attempt to break,	1
Attempt to rape,	1
Attempt to rob,	1
Bastardy,	11
Breaking, entering and larceny,	28
Breaking glass,	3
Begging,	2
Concealing leased property,	1
Concealing mortgaged property,	2
Contempt of court,	8
Cruelty to dumb animals,	12
Disturbing the peace,	91
Disturbing public assembly,	1
Dipsomaniacs,	2
Drunkenness,	1,562
Escaped prisoners,	4
Fornication,	2
Fugitives from justice,	1
Gambling,	1
Idle and disorderly,	35
Inebriates,	3

POLICE REPORT.

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Indecent exposure,	3
Illegal sale of liquor,	1
Insane,	40
Keeping common nuisance,	5
Keeping liquor nuisance,	2
Keeping liquor with intent,	1
Keeping disorderly house,	5
Kidnapping,	1
Larceny,	132
Larceny felonious,	3
Lewdness,	6
Malicious mischief,	8
Manslaughter,	1
Making false statement,	1
Neglected children,	6
Night walking,	18
Non-support,	41
Obstructing officer,	5
Obtaining goods under false pretenses,	1
Profanity,	5
Receiving stolen property,	1
Robbery,	4
Ringing false alarm,	2
Stubbornness,	10
Selling liquor to minor,	1
Selling mortgaged property,	1
Surrendered by bondsmen,	2
Threats,	6
Trespass,	1
Uttering worthless note,	1
Using unsealed scales,	1
Vagrants,	12
Violation of city ordinances,	7
Violation of food law,	10
Violation junk law,	2
Violation fish and game law,	1
Violation medical law,	2

PRIMARY DISPOSITION OF CASES.

Continued,	317
Continued on probation,	49
Adjudged not guilty and discharged,	51
Released without arraignment by order of court,	47
Placed on file,	58
Nolle-prossed,	12
Fined,	1,409
Sentenced to penal institutions,	270
Probably guilty,	17
Ordered to give bonds to keep the peace,	1
Cases dismissed,	2
Bailed and defaulted,	11
Delivered to out-of-town officers,	7
Delivered to keeper of jail,	1
Ordered to insane hospitals,	40
Ordered to dipsomaniac and inebriate hospitals,	3
Ordered to State Board of Charity,	6
Died in station house,	1

Of these, 567 paid fines ; 111 appealed from sentence, and 1,168 were committed to various penal and other institutions.

MISCELLANEOUS BUSINESS.

Accidents,	20
Amount of property reported stolen in city,	\$3,772 98
Amount of property recovered,	3,094 96
Animals impounded,	86
Ambulance calls,	337
Buildings found open and secured,	127
Bicycles found,	60
Cases investigated,	6,061
Dangerous wires reported,	25
Defective fire-alarm boxes,	13
Defective police boxes,	46
Defective lamps,	14
Defective streets and sidewalks,	199
Defective naphtha lamps,	1,563

POLICE REPORT.

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Defective gas lamps,	1,043
Defective hydrants,	4
Defective water pipes,	7
Dead bodies found,	3
Disturbances suppressed,	747
Dog notices served,	125
Dogs killed,	16
Fire alarms given,	13
Fire alarm boxes found open,	1
Fires extinguished without alarms,	21
Intoxicated persons helped home,	18
Lost children found and returned,	246
Liquor search warrants served,	6
Police boxes found open,	1
Notices served,	165
Street obstructions reported,	28
Street obstructions removed,	43
Stray teams picked up,	41
Stray teams put up,	28
Sick and injured persons assisted,	31
Water reported running to waste,	50
Horses found cast,	21
Hours of extra duty,	2,500
Street lights out, electric,	600
Street lights out, gas,	222
Street lights out, naptha,	3,562
Incandescent lights out,	402

PERSONNEL OF THE FORCE.

CHIEF :

HENRY W. MASON

DEPUTY CHIEF:

JAMES L. WILBER

CAPTAINS :

JOHN C. PARKER

ARTHUR H. JONES

INSPECTORS:

GEORGE E. GENDRON .

FRANKLIN L. HATHAWAY

LIEUTENANTS:

SETH E. BRYANT

THOMAS W. COMSTOCK

THOMAS FAY

THOMAS C. TAFT

CHARLES L. MCBAY

JOSEPH B. WING

COURT AND COMMITTING OFFICER:

LIEUT. LEMUEL D. ADAMS

CLERK:

HENRY N. WEST

SERGEANTS:

CHARLES C. GIFFORD

EDMUND FOLEY

WILLIAM E. ROSCOE

WILLIS C. UNDERWOOD

HARRY D. STOW

JEREMIAH MCCARTHY

POLICE MATRON:

MRS. SARAH M. BROWNELL

POLICE REPORT.

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PATROLMEN	AGE	YEARS OF SERVICE
Aldrich, Oscar F.	54	8 1-2
Allen, Edgar W.	49	16
Allen, Edward	40	10 1-2
Allen, Robert N.	59	9 1-2
Allen, Charles E.	35	1 1-2
Almond, Walter	41	11 1-2
Almond, William, Jr.	33	9
Atwood, William W.	38	9
Benoit, William R.	31	1 1-2
Callanan, Thomas F.	49	12
Cannavan, Patrick	66	35
Church, Charles B.	32	6
Clark, Ulysses L.	45	10 1-2
Clough, George H.	56	6 1-2
Cole, William T.	34	7 1-2
Cowing, William J.	47	9
Cox, James M.	38	11
Dahoney, Thomas	45	13 1-2
Daley, Jeremiah E.	33	8 1-2
Demers, Frank E.	43	11
Deneen Daniel	41	10 1-2
Dodds, James	50	11 1-2
Doherty, Edward P.	37	7
Durant, Lawrence J.	34	1 1-2
Earley, Edward C.	38	7
Eldridge, Washington A.	60	22
Fowler, William	39	7
Gibbs, Nathaniel F.	35	1 1-2
Hafford, Stephen, Jr.	46	4
Harrington, Daniel	37	1 1-2
Holloway, Arod B.	41	1 1-3
Howland, William A. E.	36	7 1-2
Humphrey, Daniel J.	62	25
Ivey, James A.	47	13
Karcher, Frederick	43	1 1-2
Kenney, Patrick	49	9
Lawrence George R.	46	7 1-2
Lee, Allen	70	19
Loftus, Anthony	36	1 1-2
Louther, George H.	44	7
McDonald, Daniel	41	7

McDonnell, James	35	7 1-2
McEnnis, Robert B.	47	9
McLeod, Samuel D.	36	9
Meehan, Daniel	56	6
Mosher, Albert E.	29	1 1-2
Murphy, Cornelius J.	58	23
Nickerson, Charles F.	30	3
Nye, Frederick L.	35	1 1-2
Oliver, John F.	39	10 1-2
Pinkham, George W.	47	10 1-2
Raymond, Hiram E.	49	11 1-2
Remmington, Frank L.	37	8 1-2
Ricketson, Harrison D.	37	9
Rooks, John C.	46	17 1-2
Rooks, Albert H.	37	1 1-2
Russell, Eugene F.	53	10 1-2
Savage, James W.	41	9
Sharples, Smith	34	2 1-2
Smith, Andrew J.	60	10 1-2
Smith, Charles F.	47	9
Spooner, John C.	30	1 1-2
Sullivan James H.	39	3
Sullivan, Timothy	55	28
Sweeney, Daniel P.	41	13
Sylvia, Frank W.	37	8
Taber, Jeremiah M.	45	12 1-2
Tripp, Chester L.	44	3
Vogel, Robert F.	34	7
Welch, William	31	1 1-2
Willis, Rufus H.	66	6
Winslow, George F.	66	6
Wixon, James A.	62	32

EMERGENCY OFFICER

Patrick Kennedy	68	20 1-2
-----------------	----	--------

WAGON MEN

John M. Jones	61	18
George W. Paige	57	22

DRIVERS

William M. Ryan	36	7
Edward F. Jennings	64	7

POLICE REPORT.

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HOUSEKEEPERS

Arnett, Henry	57	13
Arnett, James	64	27
Dayton, Luther M.	78	47
Manchester, John B.	66	18
Mitchell, William H.	76	19
Stevens, Henry	69	28
Vogel, George	65	19
Wilson, Thomas H.	67	17
McDonnell, Patrick	33	11

HARBOR POLICE

Sisson, Joseph DeL.	79	25
---------------------	----	----

JANITOR

Drew, Moses C.

RESERVE POLICE FORCE.

Ashley, Henry T.,	Head, Edgar E.,
Brightman, Ellery E.,	Henderson, Joseph C.,
Breault, Narcisse A.,	Horton, Eliphalet M.,
Caswell, Charles A.,	Hynes, Edward A.,
Crapo, Albert A.,	Lamothe, Benjamin,
Craft, James F.,	Mack, Thomas E.,
Cushing, William S.,	McKinstry, Albert B.,
Daley, Charles F.,	Murdy, Robert H.,
Downey, Daniel,	Place, Joseph A.,
Dupuis, Wilfred H.,	Sullivan, Matthew,
Fay, John H.,	Williams, Benjamin F.,
Gay, Harry M.,	Wilcox Seth A.
Hayden, Abram L.,	

PROMOTIONS.

On January 23, the following promotions were made, viz :

- Capt. James L. Wilber, to Deputy Chief.
- Lieut. John C. Parker, to Captain.
- Lieut. Arthur H. Jones, to Captain.
- Patrolman Jeremiah McCarthy, to Sergeant.
- Patrolman Harry D. Stow, to Sergeant.

APPOINTMENTS.

On January 22, the following named persons, having served a probationary term of six months, were confirmed as members of the Reserve Police Force, in accordance with the Civil Service Rules of the Commonwealth, viz :

Ashley, Henry T.,	Horton, Eliphalet M.,
Breault, Narcisse A.,	Lamothe Benjamin,
Brightman, Ellery E.,	Murdy, Robert H.,
Downey, Daniel,	Place, Joseph A.,
Dupuis, Wilfred H.,	Sullivan, Matthew,
Hayden, Abram L.,	Williams, Benjamin.
Henderson, Joseph C.,	

On May 14, the following named persons were appointed members of the Reserve Police Force, to serve a probationary term of six months, in accordance with the Civil Service Rules of the Commonwealth, viz :

Craft, James F.,	Head, Edgar E.,
Crapo, Albert A.,	McKinstry, Albert B.
Fay, John H.	

RESIGNED.

Captain Timothy C. Allen, Jan. 1, 1903. Resignation accepted Jan. 31, 1903.

In Memoriam.

ISAAC M. JONES,

Died Oct. 23, 1903,

Aged 73 years, 4 months, 9 days.

CHARLES H. ROBBINS,

Died June 23, 1903,

Aged 81 years, 3 months, 5 days.

SIGNAL CALLS.

Duty calls,	357,700
Telephone calls,	47,712
Wagon calls,	1,218
Ambulance calls,	337

MATRON'S REPORT.

Number of prisoners,	312
Number of lodgers,	14
Lost children,	29
Number of insane,	13
Neglected children,	5

	373

MRS. S. M. BROWNELL, Matron.

Respectfully submitted,

HENRY W. MASON,

Chief of Police.

1904. CITY DOCUMENT. No. 10.

ANNUAL REPORT

OF THE

SUPERINTENDENT OF STREETS

OF THE

City of New Bedford

TO THE
CITY COUNCIL

FOR THE YEAR 1903

NEW BEDFORD, MASS.
THE A. E. COFFIN PRESS, CITY PRINTERS,
1904.

1903.

NEW BEDFORD, MASS.

Population, assessors' estimate, 71,600.

Valuation, \$62,567,529.00.

Area, about $19\frac{1}{3}$ square miles.

141.55 miles of accepted streets.

Two bridges over the Acushnet river; old New Bedford and Fairhaven bridge replaced by new bridge, 70 feet wide and 9-10 miles long. Completed, but cost not yet apportioned; $\frac{3}{4}$ Coggeshall street bridge maintained by New Bedford.

4.712 miles of stone block paving, an area of 60,743 square yards.

0.617 miles of asphalt block paving, an area of 9,929 square yards.

0.35 miles of sheet asphalt paving, an area of 10,891 square yards.

0.34 miles of brick paving, an area of 9,276 square yards.

13.70 miles of cobble paving, an area of 173,568 square yards.

63.19 miles of macadam paving, an area of 784,224 square yards.

0.97 miles of "Bitulithic," an area of 15,160 square yards.

99.066 miles of curbing.

33.98 miles of flag sidewalk, an area of 102,532 square yards.

34.12 miles of concrete sidewalk, an area of 152,054 square yards.

4.73 miles of granolithic sidewalk, an area of 23,479 square yards.

70.401 miles of sewer, 8 to 72 inches diameter.

1.047,861.40 cost of sewer system to date.

927 catch-basins.

114 eyeholes.

671 sewer manholes.

27 sewer outlets and 3 surface drain outlets into Acushnet river.

3 sewer outlets into the lower harbor.

7 sewer outlets into Clark's cove.

APPROPRIATIONS AND EXPENDITURES, 1903.

	Appropriations.	Expenditures.
Highways and streets,	\$170,000.00	\$174,394.85
General sewers,	17,000.00	13,620.55
Coggeshall street bridge, No. 1,	200.00	45.86
Coggeshall street bridge, No. 2,	5,500.00	5,399.91
Street sprinkling,	8,375.00	7,035.81
Tree spraying,	1,000.00	945.18
	\$202,075.00	\$201,442.16
*Acushnet ave. sewer, No. 1,	947.53	967.22
*Acushnet ave. sewer, No. 2,	200.00	16.75
**Bay and Dartmouth streets sewer,	200.25	49.92
Belleville road sewer,	7,800.00	8,462.05
Bolton road sewer,	550.00	266.77
Chepatchet street sewer,	3,599.00	2,629.08
Cleveland street sewer,	**92.18)	309.34
Clinton street sewer,	217.16)	
Coggeshall street sewer,	650.00	656.96
Collette street sewer,	2,200.00	2,071.80
Cottage street sewer, No. 1,	3,200.00	2,954.83
*Cottage street sewer, No. 2,	750.00	578.40
Deane street sewer,	700.00	
Devoll,	2,056.67	4,261.90
No. Front street sewer,	600.00	632.74
*Maitland street sewer,	1,300.00	1,424.79
Maxfield street sewer,	400.00	
McGurk street sewer,	800.00	641.92
Phillips ave. sewer,	1,100.00	931.18
Reed street sewer,	1,200.00	560.03
Rockdale ave. sewer,	350.00	275.16
Ruth street sewer,	1,275.00	1,131.31
Shawmut ave. sewer, No. 1,	159.61	159.61
Shawmut ave. sewer, No. 2,	500.00	327.99
*Shawmut ave. sewer, No. 3,	450.00	394.53
Tallman street sewer,	900.00	
Tinkham street sewer,	1,500.00	1,597.64
	400.00	413.91
	\$236,172.40	\$233,157.99

**Brought forward from 1902.

*Carried forward to 1904.

Deficit on sewers met by transfers from balances of other sewers by order of council.

HIGHWAYS AND STREETS.

Year	Net Expenditure Appropriation for Year.	New Work.	Maintenance and Repairs.	Stock on Hand Decreased.	Stock on Hand Increased.
1898	\$181,334.62	\$96,618.76	\$83,876.67		\$839 19
1899	146,893.75	74,858.45	75,694.38	\$3,659.08	
1900	142,732.05	83,024.10	60,023.46	315.51	
1901	164,051.42	97,152.15	65,101.36		1,797.91
1902	151,157.96	84,781.86	68,943.37	2,567.27	
1903	181,049.75	109,901.81	72,634.74	1,486.80	

GENERAL SEWERS.

Year	Net Expenditure Appropriation for Year.	New Work.	Maintenance and Repairs.	Stock on Hand Decreased.	Stock on Hand Increased.
1898	\$16,892.88	\$6,888.99	\$10,103.68	\$99.79	
1899	10,589.99	3,857.73	7,405.53	673.27	
1900	11,773.41	3,043.52	8,584.22		\$145.67
1901	15,660.28	6,570.64	7,674.02		1,415.62
1902	11,790.64	4,643.52	7,800.77	653.65	
1903	13,620.55	2,984.12	9,449.40		1,187.02

STREET DEPARTMENT.

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STREETS, ACCEPTED.

STREET.	LOCATION.	WIDTH. Feet.	LENGTH. Feet.
Bennett,	North of Coggeshall st.,	40	163.55
Brock,	South of Nash road,	50	389.50
Bullard,	West of Bowditch st.,	50	454.05
Earle,	Acushnet ave. and Church st.	50	1,649.68
Eugenia,	Acushnet ave. and Hope st.	50	1,530.21
Fair,	Orchard and Hemlock sts.	50	424.44
Keen,	Park and Liberty sts.	50	538.39
La France court,	West of County st.	30	231.63
Lucas,	Brock ave. and W. French ave.	50	1,208.41
Mechanics lane,	Purchase and Pleasant sts.	20	222.19
Potter,	Shawmut ave. and Highland st.	40	1,021.33
Tallman,	Belleville ave. and Front st.	50	496.68
Tinkham,	Acushnet ave. and Church st.	50	1,826.16
West,	Grape and Allen sts.	40	374.96
Whitman,	Diman and Hope sts.	50	689.28
			11,220.46

Total, 11,220.46 feet, or 2.125 miles.

STREET WIDENINGS, LAID OUT AND
ACCEPTED.

STREET.	LOCATION.	AMOUNT OF WIDENING.	LENGTH.
Penniman.	County, west.	10 feet on north side.	70

STREETS DISCONTINUED.

STREET.	LOCATION.	WIDTH.	LENGTH.
Central ave.	Acushnet ave , west.	50 feet.	557.34

(Name of Grant st., Purchase ave. to Mt. Pleasant, changed to Nauset st.)

Report of Superintendent.

OFFICE OF THE SUPERINTENDENT OF STREETS,
ODD FELLOWS' BUILDING,
January 1, 1904.

To the City Council of the City of New Bedford :

GENTLEMEN: — In compliance with ordinances of the city, the annual report of the work of the departments under my charge for the year ending December 5, 1903, is herewith submitted.

As indicated in my report of a year ago, the cost of city work has been materially advanced owing to increased wages, and continued high price of material. It is therefore evident that with the same appropriation, the amount of work that can be done is much less than formerly. This is very noticeable in the present report and indicates either that we must spend more money to keep up the average rate of improvement, or be content with a lower average condition of excellence.

As long as the city continues its rapid growth, a large amount of new work is called for; and the greater the extent of improvements, the larger must be the expenditure for maintenance. The careful maintenance of streets already improved, is of the most vital importance, and should, it seems to me, come first in the consideration of

how the appropriation should be used. As has been previously stated, certain forms of pavement, the first cost of which seems excessive, are in the end economical, on account of the slight cost of maintenance for a long period of years. Owing to these considerations it would seem advisable to extend the use of block paving on a number of streets that form the lines of heaviest travel.

There are other streets where the travel is generally lighter, including light loads and heavy, fast driving and slow. The most favorable pavement for these streets appears to be "Bitulithic," which is now being extensively laid in many parts of the country, and is giving general satisfaction.

Recommendations will be brought to your attention during the year.

The following tables give in detail the work done and the cost of same.

Respectfully submitted,

C. F. LAWTON.

MACADAM, NEW.

STREET.	LOCATION.	Length.	Area Sq. Yds.	Cost.
Bay,	Dartmouth and Cottage,	346.0	692.0	\$387.19
{ Beetle,	Belleville ave. and Front st.	789.0	2,103.7	1,091.94
{ Front,	Coggeshall and Beetle,			
Borden,	Allen and Bedford,	376.0	561.9	230.29
Brownell,	Union and Court,	267.0	926.0	399.64
Butler,	East of Brock ave.	759.5	1,574.0	1,010.59
Cedar,	Square at Elm,	40.0	132.0	115.80
Cedar,	Middle and Kempton,	359.4	770.8	459.39
Cedar,	Square at North,	24.5	65.3	42.10
Cedar Grove,	Bowditch and R. R. track,	332.0	664.0	317.76
Chancery,	Court and Kempton,	1,017.0	2,000.0	745.97
Chestnut,	Parker and Locust,	520.0	1,040.0	386.24
Coggeshall,	Bowditch to R. R. track,	570.0	1,140.0	663.08
**Court,	Rotch st. and Rockdale ave.	1,521.0	3,219.5	1,506.84
Crapo,	Division and Rivet,	1,100.0	2,200.0	924.51
Davis,	Front st. and Acushnet ave.	482.5	2,274.8	633.02
*Division,	East of Crapo,			81.11
Florence,	Court and Kempton,	1,009.0	2,046.0	1,146.65
Hickory,	Ward and Clay,	164.0	328.0	181.11
Independent,	County and Crapo,	821.0	2,189.3	1,048.53
Keen,	Park and Liberty,	446.0	1,189.4	545.37
Lindsey,	Court and Kempton,	1,083.5	2,160.0	976.95
Mill,	East of Acushnet ave.,	114.5	139.9	87.73
Mitchell,	Coggeshall and Sawyer,	718.0	1,436.0	727.10
Myrtle,	Clark to north of Penniman,	323.0	893.0	399.22
Nye,	Acushnet ave. and Bowditch,	566.0	1,509.3	714.26
Park,	Maxfield and Smith,	472.0	1,258.7	148.80
*Sawyer,	East of Mitchell,			1,209.23
Shawmut ave.	North of Smith,	247.0	494.0	238.26
***State,	Franklin and Cedar Grove,	2,036.5	4,570.1	2,437.72
***Washburn,	Belleville and Acushnet aves.	463.8	994.3	461.95
		16,968.2	38,572.0	\$19,318.35

*Begun in 1902.

**Partly rebuilt.

***Partly top coated.

Cost per square yard, \$.463

Cost per foot, 1.066

Average tons of stone per square yard, .407

BITULITHIC.

STREET.	LOCATION.	Length.	Area. Sq. Yds.	Cost.
*Beetle and Front. Pleasant. Pleasant. Pleasant. Second.	Acushnet ave. and Holly st. Elm and High. High and Maxfield. Austin and Linden. Austin and Linden. (Rebuilt) School and Union.	948.2 474.5 1,150.5 462.5 19.2 476.3	2,821.4 1,772.0 3,468.0 1,349.1 56.5 1,323.9	\$6,631.47 14,758.50 3,003.81
		3,531.2	10,790.9	\$24,393.78

*Includes blocks outside said

Average cost per square yard, \$2.260

MACADAM, REBUILT.

STREET.	LOCATION.	Length.	Area. Sq. Yds.	Cost.
Allen,	West of Dartmouth,	235.0	470.0	\$223.85
Cottage,	Allen and Bedford,	353.0	706.0	321.87
Cottage,	Arnold and Union,	634.0	1,323.6	461.38
Cottage,	Middle and Kempton,	381.3	859.5	328.03
Cottage,	Campbell and Parker,	546.0	1,031.3	327.89
County,	Katherine and Rivet,	440.0	1,320.0	694.49
County,	Sycamore and Campbell,	471.0	1,442.0	462.38
Division,	Water and County,	737.0	1,475.5	651.45
Front,	Logan and Coggeshall,	1,710.5	3 877.8	1,859.10
Hathaway road,	West of Shawmut ave.	400.0	800.0	468.94
Hazard,	Purchase and Pleasant,	200.0	600.0	304.09
Middle,	Acushnet ave. and Second st.	195.0	368.3	176.32
Mill,	Acushnet ave. and Purchase,	204.0	410.3	192.32
Mill,	County and Summer,	292.0	560.0	142.80
Mill,	Beech and Cedar,	3,440.0	6,880.0	1,547.65
Parker,	West of Shawmut ave.	687.0	1,382.5	562.38
Reed,	Court and Kempton,	1,004.0	2,035.8	846.67
Rivet,	Orchard and Juniper,	584.0	1,327.0	801.79
School,	Acushnet ave. and Second st.	187.0	355.3	187.65
Shawmut ave.	South of Hathaway road,	3,963.0	8,324.0 }	4,683.70
Shawmut ave.	North of Parker to Tilton,	210.0	420.0 }	
South,	Acushnet ave. and Fourth,	202.0	404.0	166.90
Sycamore,	County and Chestnut,	508.0	1,030.2	396.69
		17,583.8	37,403.1	\$15,808.34

Cost per square yard, \$.422
 Cost per foot, .899
 Average tons of stone per square yard, .309

MACADAM, REPAIRED.

Total cost, \$1,368.27

PAVING, NEW.

STREET.	LOCATION.	GRANITE BLOCK.		Cost.
		Length. Feet.	Area. Sq. Yds.	
Bennett,*	North of Coggeshall,	168.8	343.20	\$969.75
Front,**	Middle to north of Union,		196.58	630.09
Gifford,*	Harbor and Front,	313.6	609.80	2,004.95
Middle,*	Front and Water,	240.6	770.00	2,394.03
Union,*	First st. and Acushnet ave.	357.5	1,099.90	3,424.79
				\$9,423.61

*Laid on concrete.

**55.2 square yards relaid with cobble.

Total cost of granite block paving,	\$9,423.61
Cost per square yard with concrete foundation,	3.11

PAVING, REPAIRED.

Cobble paving,	\$3,164.64
Asphalt paving,	170.80
Block paving,	1,073.47

FILLING AND GRADING.

STREET.	LOCATION.	COST.
Abbott	Ruth and Cove	\$ 203.62
Ashley	South of Ruth	491.98
Belleville ave.	Coffin and Phillips aves.	152.97
Blackmer	Foot of	108.04
Bolton road	North of Rockland	260.93
Campbell	Park st. and Shawmut ave.	165.45
Chancery	South of Hillman	113.42
Cleveland	Ruth and Cove	371.43
Cleveland	David and Ruth	147.77
Clinton	Orchard and Cottage	219.34
Clover	South of Allen	443.81
Coggeshall	West of Bowditch.	267.56
Coggeshall	West of Jean	171.34
Cove road	East and west of Rockdale ave.	246.05
Davis	East and west of Belleville ave	245.70
Devoll	Grape and Allen	173.06
Duncan	East of Acushnet ave.	488.23
Durfee	West of Shawmut ave.	106.89
Emerson	South of Kempton	139.15
Fair	East of Bolton road	310.01
Hathaway	East of Front to Bowditch	952.75
Hillman	Ash st. and Rockdale ave.	136.17
Holly	Belleville ave. and Brook st.	292.09
Howland dock		1,570.47
Ingraham	East of Acushnet ave.	164.73
Jean	South of Sawyer	129.97
Keene	East of Liberty	158.04
Liberty	Hillman and Maxfield	207.65
Lombard	North of Thompson	182.06
Maple	Chancery and Tremont	124.35
Maxfield	Cedar st. and Rockdale ave.	673.04
Middle	Foot of	552.54
Mt. Pleasant road		374.89
Nelson	West of County	155.45
Newton	North of Court	108.45
North	Foot of	2,429.07
North	Florence and Beach	292.07
Potomska	Foot of	344.65
Reynolds	Peckham and Adams	386.05
Riverside ave.	North of Manomet	481.16
Robeson	Cedar st. and Shawmut ave.	278.73
Rockdale ave.	East of Bolton road	588.30
Rockdale ave.	East and west of Dartmouth	99.66
Rockdale ave.	South of Kempton	906.86
Ruth	West of E. French ave.	1,932.20
Scott	West of County	131.27
Shawmut ave.	Robeson and Durfee	174.13

FILLING AND GRADING—*continued.*

Sylvia	East of Acushnet ave.	\$ 179.23
Tallman	East of Bellville ave. to Bowditch	638.46
Tarkiln Hill road		1,781.41
Trinity	Bullock st. and Shawmut ave.	421.68
Wall	Foot of	838.06
Washburn	Foot of	851.78
Whitman	Hope and Front	241.97
Wood	Acushnet ave. west	104.22
West		136.46
Sundry streets	Costing less than \$100.00	3,798.73
		\$ 27,645.55
Deducted because charged to collecting ashes \$ 6,831.21		
"	" " street cleaning	1,390.62
"	" cleaning catch-basins	1,046.72
		\$ 9,268.55
		\$ 18,377.00

GUTTERS, NEW.

STREET DEPARTMENT.

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STREET.	LOCATION.	Length.	Area. Sq. Yds.	Cost.
Austin,	North side, west of Shawmut ave.	152.0	50.7	\$35.70
Beetle,	Both sides, Belleville ave. and Front st.	880.0	298.2	173.57
Belleville ave.	Both sides, Phillips ave. and Coffin ave.	515.0	200.3	147.11
Butler,	Both sides, east of Brock ave.	1,482.0	519.2	355.87
Campbell,	Both sides, Shawmut ave. and Park,	944.0	331.3	240.24
Cedar,	Both sides, Middle and Kempton,	653.4	230.2	151.36
Cedar Grove,	Belleville ave. and Acushnet ave.	322.0	132.6	78.16
Chancery,	West side, Court and Kempton,	994.0	391.1	234.60
Chancery,	Both sides, Kempton and Hillman,	1,177.0	394.6	241.22
Chancery,	Both sides, Hillman and Smith,	866.2	288.8	237.55
Clinton,	Both sides, Orchard and Cottage,	865.4	292.8	239.41
Coffin ave.	North side, west of Harbor line,	328.0	109.1	89.22
Coggeshall,	Both sides, east of Bowditch to R. R. track,	1,134.0	405.5	375.61
Collette,	South side, Acushnet ave. and Bowditch st.	152.0	50.6	39.73
Davis,	South side, east of Belleville ave.	571.5	233.8	160.29
Davis,	Both sides, east of Belleville ave. and Front st.	2,154.7	887.9	708.70
Fair,	North side, Acushnet ave. and Bowditch st.	344.0	133.8	130.57
Florence,	North side, Orchard st. and Bolton road,	665.0	258.6	190.22
*Gifford,	Both sides, North and Hillman,	554.0	187.4	116.81
Hathaway,	North side, River and Front,	649.0	345.4	236.50
Hickory	Both sides, Acushnet ave. and Bowditch st.	926.0	308.6	164.80
Hunter,	South side, Harrison and Clay,	175.0	58.3	53.25
Kempton,	Both sides, North and Hillman,	564.0	222.1	112.24
Kenyon,	Cors. of Cottage,	60.0	20.0	11.28
Maxfield,	Both sides, Front st. and Acushnet ave.	1,439.4	492.3	466.52
Maxfield,	South side, Cedar and Ash,	208.5	72.6	44.40
*Maxfield,	South side, west of Park,	127.9	42.6	33.66
	North side, east of Hunter,	271.8	108.6	101.52

GUTTERS, NEW. (Continued.)

STREET.	LOCATION.	Length. Sq. Yds.	Area. Sq. Yds.	Cost.
Myrtle, North, Nye, Orchard, Park, **Penniman, Pierce, Robeson, Shawmut ave. *Shawmut ave. State, State, State, State, Sycamore, Trinity, Woodlawn,	Both sides, north of Clark, Both sides, Florence and Beech, Both sides, Acushnet ave. and Bowditch st. Both sides, Fair and Washington, Both sides, Maxfield and Parker. Both sides, County and Reynolds, Both sides, Court and Elm. Both sides, Cottage st. and Shawmut ave. Both sides, Smith and Campbell, Both sides, Robeson and Durfee, Cors. of Franklin, Cors. of Merrimac, Cors. of Austin, Both sides, Cedar Grove and Clark, Cors. Summer, North side, Bullock st. and Shawmut ave. Both sides, west of Brock ave.	435.7 1,148.0 869.1 316.0 2,704.0 800.0 917.0 2,182.5 307.0 2,111.1 60.0 60.0 60.0 844.0 60.0 425.0 1,270.0	172.8 456.6 292.4 122.9 929.5 318.3 356.6 769.3 119.5 756.0 20.0 20.0 20.0 292.4 20.0 144.7 493.9	\$155.14 283.16 170.22 83.78 675.45 222.27 222.57 687.81 81.65 503.75 21.15 35.50 27.08 305.35 19.99 127.35 328.46
		33,745.2	12,371.9	\$9,120.79

*Partly rebuilt.

**Begun in 1902.

Cost per square yard, \$.741
 Cost per foot, length and average width, .269

GUTTERS, REPAIRED.

Total cost,	\$1,120.60
Length in feet,	1,894
Area in square yards,	814.1
Cost per foot,	\$.1872
Cost per square yard,	.435

CURBING, NEW.

STREET.	LOCATION.	Length.	Cost.
*Acushnet ave.	East side, Logan and Hicks,	299.9	\$112.47
Acushnet ave.	East side, Kenyon and Cedar Grove,	22.5	15.81
*Acushnet ave.	West side, south of Coggeshall,	15.0	6.41
Acushnet ave.	West side, south of Lunds cor.	42.0	42.98
*Arch,	East side, Arnold and Union.	170.3	60.40
Arnold,	North side, Emerson and Chancery,	60.1	43.64
Arnold,	Both sides, Chancery and Park,	426.3	281.34
*Ashland,	East side, Robeson and Hazard,	150.9	74.69
Austin,	South side, east of Shawmut ave.,	51.6	41.79
Bedford,	South side, east of Cottage,	36.3	31.16
Beetle.	Both sides, Acushnet ave. and Bowditch st.	429.1	299.99
Belleville ave.	East side, Cedar Grove and Coggeshall,	27.4	18.37
Belleville ave.	North east cor. Coffin ave.	16.7	9.30
Bentley,	South side, Acushnet ave. and Bowditch st.	344.3	195.65
Bentley,	North side, Acushnet ave. and Bowditch st.	377.6	266.20
Bonney,	West side, Thompson and Rockland,	183.1	128.31
Bourne,	East side, north of Thompson,	121.9	98.42
Bowditch,	West side, Deane st. and Coffin ave.	266.3	192.66
Butler,	South east and north east cors. Brock ave.	25.0	20.56
*Cedar,	East side, Middle and Kempton,	279.8	178.70
*Cedar,	West side, south of Kempton,	315.4	79.00
*Chancery,	North east and north west cors. Kempton,	25.0	8.00
Chancery,	West side, Maxfield and Sycamore,	46.1	36.30
Chancery,	East side, Sycamore and Smith,	69.7	44.18
Chestnut,	East side, Pope and Locust,	74.9	51.00
Cleveland,	Both sides, Ruth and David,	355.2	243.68

CURBING, NEW. (Continued.)

STREET DEPARTMENT.

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STREET.	LOCATION.	Length.	Cost.
Clinton,	North side, County and Orchard,	233.6	\$166.31
Clinton,	Both sides, west of Chancery,	122.1	96.69
Coggeshall,	South side, east of Belleville ave.	101.2	65.91
Coggeshall,	North side, River and Mitchell sts.	278.9	194.50
Coggeshall,	North side, Mitchell st. and Belleville ave.	204.7	137.36
Coggeshall,	North side, Howard st. and Acushnet ave.	70.5	48.36
Collette,	South side, Acushnet ave. and Bowditch,	151.6	117.51
Cottage,	East side, Allen and Bedford,	328.2	230.43
Cottage,	West side, Parker and Locust,	93.1	68.51
Cottage,	East side, Locust and Merrimac,	51.6	40.11
Cotter,	Both sides, Cedar Grove and Coggeshall,	579.4	356.60
Davis,	Four cors. Belleville ave.	50.0	36.74
Davis,	South east and north east cor. Front,	25.0	18.24
Deane,	South side, Front st. and Acushnet ave.	60.0	42.45
Deane,	Both sides, west of Bowditch,	266.3	192.08
Elm,	South west cor. Cedar,	12.5	9.24
Elm,	North side, Park and Pierce,	109.9	84.79
Fair,	North west and south west cors. Orchard,	25.0	18.55
Florence,	East side, Mill and Kempton,	157.7	105.22
E. French ave.	West side, Ruth and Abbott,	256.6	171.70
W. French ave.	South west cor. Cove road,	20.9	17.49
Front,	East side, Logan and Kilburn,	319.1	200.29
Front,	Both sides, Beetle and Holly,	554.9	387.06
Fruit,	South side, Hemlock and Mulberry,	385.5	266.73
Fruit,	South side, Mulberry and Dartmouth,	168.6	110.65
*Gifford,	North side, Harbor and Front,	357.8	302.52

STREET DEPARTMENT.

CURBING, NEW. (Continued.)

STREET.	LOCATION.	Length.	Cost.
Griffin,	North side, west of Water,	177.5	\$167.23
Hickory,	Cor. Clay,	12.5	9.38
Hillman,	South side, Pleasant and Foster,	12.5	29.74
Hillman,	South side, Foster and County,	351.9	235.16
Hillman,	North side, Walden and Thomas,	182.2	136.21
Hillman,	North side, Thomas and County,	128.2	116.91
*Hunter,	South east cor. Hillman,	24.6	15.39
James,	East side, Arnold and Union,	50.7	36.34
Jean,	West side, south of Sawyer,	98.6	74.15
Keen,	Both sides, Park and Liberty,	473.6	316.76
*Kempton,	North side, Summit st. and Rockdale ave.	113.3	70.25
Kenyon,	Both sides, Front st. and Acushnet ave.	1,168.0	737.53
Locust,	South side, Summer and Chestnut,	150.4	98.57
Lombard,	East side, Spooner and Rockland,	106.2	75.31
Merrimac,	North side, Summer and Chestnut,	87.4	81.65
Merrimac,	South side, Chestnut and Cottage,	154.1	98.13
Middle,	Both sides, Front and Water,	387.7	269.08
*Mill,	North side, Second st. and Acushnet ave.	100.0	79.71
Mill,	East side, east of Florence,	92.2	67.00
Mill,	South side, Summit st. and Rockdale ave.	100.6	67.65
*North,	North side, County and Summer,	415.4	131.56
Nye,	Both sides, Acushnet ave. and Bowditch st.	823.2	509.50
Park,	East side, Clinton and Arnold,	31.6	26.80
Park,	East side, south of Smith,	48.9	37.71
Penniman,	South east cor. Myrtle,	12.5	9.26
Pierce,	North west cor. Court,	12.5	9.59

CURBING, NEW. (Continued)

STREET.	LOCATION.	Length.	Cost.
**Pleasant,	West side, north of Sycamore,	211 0	\$644.22
**Sycamore,	Pleasant, west,	102.3	
Rivet,	North side, Bonney and Orchard,	70.2	48.89
Rivet,	North side, Briggs st. and Bolton road,	36.2	27.69
*Robeson,	South side, County and Summer,	353.8	61.55
Ruth,	South side, E. French ave. and Cleveland st.	280.9	250.34
Ruth,	North side, E. French ave. and Abbott st.	116.0	90.42
Sawyer,	Both sides, Front st. and Acushnet ave.	494.4	344.11
*State,	South side, west of Jean,	68.5	38.62
Stone,	North west and north east cors. Merrimac,	25.0	11.13
Summit,	South of Allen,	130.0	89.00
Sycamore,	West side, Kempton and Mill,	146.0	116.32
Thompson,	North side, Ash and Chancery,	127.1	84.33
*Union,	North east cor. Bourne,	12.5	8.50
Walden,	South side, First and Second,	346.7	105.24
Ward,	East side, Maxfield and Sycamore,	273.1	201.94
Waverly,	Both sides, north of Allen,	359.0	249.95
	Both sides, north of Allen,	398.4	293.63
		18,094.5	\$12,239.50

*Partly relaid with old stone.

**8 inch curbing on concrete.

Cost per foot,	\$0.70
Cost per foot of stone,	.52
Cost per foot of labor,	.18
Cost curbing, new, with old stone,	.25
Length feet curbing, new, with old stone,	847.4
Total cost new curbing,	\$11,926.95

CURBING, RELAID.

Total cost,	\$2,413.94
Cost per foot relaid with new stone,	.74
Cost per foot relaid with old stone,	.19
Length feet curbing relaid with new stone,	1402.9
Length feet curbing relaid with old stone,	6343.4

CONCRETE, NEW.

STREET DEPARTMENT.

25

STREET.	LOCATION.	AREA. Sq. Yds.	COST.
Acushnet ave.	East side, Logan and Hicks,	318.07	\$253.70
Acushnet ave.	East side, Hicks and Washburn,	60.39	49.63
Acushnet ave.	West side, south of Bentley,	29.68	76.21
Bentley,	South side, west of Acushnet ave.	83.39	74.02
Bentley,	North side, west of Acushnet ave.	105.30	28.00
*Bowditch,	East side, south of Sawyer,	97.62	20.29
*Sawyer,	South side, east of Bowditch,	78.01	69.29
Cedar Grove,	South side, Acushnet ave. and Bowditch st.	645.08	455.01
Coggeshall,	North side, River and Mitchell st. (New.) (Rebuilt.)	218.92	124.36
Coggeshall,	North side, Mitchell st. and Belleville ave. (New.) (Rebuilt.)	56.00	171.80
Coggeshall,	North side, Belleville ave. and Front st. (New.) (Rebuilt.)	23.42	99.79
Coggeshall,	North side, Howard ave. and Acushnet ave. (New.) (Rebuilt.)	121.71	61.57
Coggeshall,	South side, Howard ave. and Acushnet ave.	36.06	89.24
Coggeshall,	South side, Howard ave. and Acushnet ave.	160.94	204.85
Cove,	North side, east of Harbor. (New.) (Rebuilt.)	239.20	146.74
Front,	East side, Logan and Kilburn,	42.58	185.37
Griffin,	North side, Water and Second,	219.17	112.20
Harbor,	East side, north of Cove,	302.54	26.58
Jean,	West side, south of Sawyer,	12.44	58.28
Kempton,	South side, Chestnut and Cottage,	126.03	30.99
Nye,	North side, east of Bowditch,	30.62	240.61
Reynolds,	West side, north of Weld,	398.77	47.79
		69.32	

CONCRETE, NEW. (Continued.)

STREET.	LOCATION.	AREA. Sq. Yds.	COST.
Reynolds, Sawyer,	East side, north of Weld, South side, east of Mitchell.	93.77 33.95 }	\$64.19 383.51 }
Sawyer, Acushnet ave.	North side, east of Acushnet ave. (New.) East side, north of Sawyer, (Rebuilt.)	640.63 59.81 }	55.32 37.10 }
Studley, Wamsutta,	South side, west of Jean, South side, east of Ashland,	29.55 42.23 }	39.24 101.05 }
Weld, Willis,	South side, Railroad to Purchase st. North side, east of Reynolds, South side, Acushnet ave. and Purchase st.	169.53 111.66 216.51	63.69 165.53
		5,251.54	\$3,535.95

*Begun in 1902.

Cost per square yard, \$.717

CONCRETE, REPAIRED.

Total cost,	\$4,030.12
Area in square yards rebuilt,	7,496.80
Cost per square yard,	\$.608
Area in square yards, topcoat,	96.20

GRANOLITHIC.

STREET.	LOCATION.	AREA. Sq. Yds.	COST.
Acushnet ave.	West side, south of Madison,	49.89	\$94.34
Acushnet ave.	East side, north of Kenyon,	70.40	98.50
Acushnet ave.	West side, south of Coggeshall,	252.20	425.67
Acushnet ave.	East side, Coggeshall and Beetle,	44.00	73.57
Acushnet ave.	West side, north of Bentley,	68.30	115.33
Acushnet ave.	West side, south from Bentley,	46.20	76.81
Acushnet ave.	West side, south of Lunds cor.	33.10	75.51
Arch,	West side, north of Arno'd,	75.80	148.74
Arnold,	South side, west of Orchard,	78.60	130.89
Arnold place,	West side, north of Arnold,	37.00	72.15
Ash,	East side, Union and Court,	188.20	306.89
Ashland,	East side, Robeson and Hazard,	122.11	193.89
Beetle,	South side, east of Front,	77.12	125.11
Beetle,	South side, 2nd lot west of Front,	46.71	75.78
Bentley,	North side, west of Acushnet ave.	20.90	35.29
Bentley,	South side, west of Acushnet ave.	12.20	20.28
Bonney,	West side, Thompson and Rockland,	45.20	78.53
Bowditch,	East side, Phillips ave. and Collette st.	225.77	390.90
Briggs,	West side, Rivet and Thompson,	355.46	594.99
Cedar,	West side, south of Kempton,	69.33	110.69
Chancery,	West side, Maxfield and Sycamore,	26.30	46.29
Chestnut,	East side, Pope and Locust,	53.30	95.27
Coggeshall,	North side, Front and Howard,	186.68	323.04
Collette,	South side, east of Bowditch,	165.14	285.92
Cottage,	West side, Pope and Locust,	298.20	531.35
Cottage,	East side, south of Merrimac,	65.60	121.07

GRANOLITHIC. (*Continued.*)

STREET.	LOCATION.	AREA. Sq. Yds.	COST.
County,	West side, North and Hillman,	213.10	\$376.28
County,	West side, north of Hillman,	131.21	221.58
County,	West side, south of Linden,	154.90	272.27
Court,	South side, east of Park,	27.72	57.43
Deane,	South side, Front st. and Acushnet ave.	37.30	63.45
Fourth,	East side, south of Madison,	81.70	154.51
Front,	East side, south of Beetle,	117.45	190.65
Hillman,	South side, west of Pleasant,	46.40	79.52
Hillman,	North side, Pleasant and Foster,	75.00	126.39
Hillman,	South side, east of Foster,	57.90	81.19
Hillman,	South side, east of County,	170.30	264.11
Hillman,	North side, County and Summer,	142.51	257.46
Keene,	South side, Park and Liberty,	49.00	88.11
Keene,	North side, Park and Liberty,	123.40	216.92
Kempton,	South side, west of Purchase,	11.51	20.09
Kempton,	South side, west of Cedar,	32.12	76.41
Kempton,	North side, west of Summit,	103.30	149.13
Kempton,	South side, west of Rockdale ave.	66.90	155.46
Kenyon,	North side, east of Acushnet ave.	149.50	257.90
Lincoln,	East side, north of Arnold,	55.90	98.41
Linden,	South side, west of County,	136.16	239.32
Locust,	South side, Summer and Chestnut,	124.00	221.57
Logan,	North side, east of Purchase,	11.80	24.00
Lombard,	East side, south of Rockland,	30.20	56.77
Madison,	South side, Acushnet ave. and Fourth st.	185.32	350.46
Merrimac,	South side, east of Cottage,	165.50	305.42

GRANOLITHIC. (*Continued.*)

STREET.	LOCATION.	AREA. Sq. Yds.	COST.
Middle,	South side, west of Purchase,	21.30	\$37.49
Mill,	South side, east of Newton,	29.60	50.33
Mt. Pleasant,	East side, Weld and Clark,	317.80	547.39
North,	North side, County and Summer,	84.01	142.17
Orchard,	West side, south of Arnold,	59.50	99.08
Parker,	North side, east of Summer,	140.80	251.18
Phillips ave.	North side, east of Bowditch,	156.30	270.61
Pleasant,	West side, Union and Market,	121.21	212.56
Pleasant,	East side, south of Campbell,	79.60	138.32
Purchase,	West side, Elm and Middle,	94.70	166.66
Purchase,	West side, south of Kempton,	61.10	106.58
Purchase,	East side, north of Logan,	59.80	121.60
Rivet,	North side, west of Briggs,	77.90	128.40
Robeson,	South side, County and Summer,	111.70	312.31
Robeson,	North side, east of Ashland,	177.91	282.58
Rockland,	South side, east of Warwick,	43.20	71.53
Rounds,	West side, north of Elm,	38.10	67.24
South,	North side, County and Crapo,	140.30	254.64
State,	West side, Hillman and Maxfield,	63.40	95.92
Summit,	West side, Kempton and Mill,	102.40	183.32
Union,	North side, west of Pleasant,	64.20	105.65
Walden,	East side, south of Sycamore,	33.30	64.07
Warwick,	East side, south of Rockland,	78.30	129.64
Water,	West side, south of Griffin,	34.3	56.92
		7,404.54	\$12,947.80

Cost per square yard,

\$1.748

RECAPITULATION—HIGHWAYS AND STREETS.

GROSS EXPENDITURES.

Macadam, new,	\$19,318.35
Macadam, repaired,	1,368.27
Macadam, rebuilt,	15,808.34
Bitulithic, new,	24,073.28
Filling and grading,	18,377.00
Curbing, new	12,305.41
Curbing, relaid,	2,413.94
Gutters, new,	9,120.79
Gutters, repaired,	1,120.60
Concrete sidewalks, new,	3,535.95
Concrete sidewalks, repaired,	4,030.12
Gravel and cinder sidewalks,	7,219.52
Paving, new,	9,423.61
Paving, repaired,	4,408.91
Flagging, new and repaired,	2,088.34
Granolithic sidewalks, new,	12,947.80
Crosswalks, new and repaired,	577.19
Driveways,	519.01
Building bank walls, sundry places,	799.62
Filling reservoirs,	70.68
Collecting ashes,	10,363.89
Sweeping and cleaning streets,	19,007.34
Filling holes in streets,	779.96
Removing snow and ice,	1,780.76
Sanding icy walks,	266.20
Picking up small stones,	183.27
Carting stock to city yard,	172.23
Labor handling stock,	65.33
Stable yard work,	581.60
Main office expenses and salaries,	3,727.80
Stable office expenses and salaries,	1,903.32
Janitor,	129.87
Registration clerk,	115.46
Tools, new and repaired,	1,199.41

Repairs to buildings,	292.56
Carriage hire,	8.00
Accident account,	47.50
Pumps repaired,	118.20
Screens at portable crushers,	2,184.88
Fences, new and repaired,	4.65
Wharfage on curbing, etc.,	250.00
Miscellaneous items,	1,108.49
Stock, labor and teaming charged at cost,	32,679.32
Stock on hand December 5, 1903,	3,776.20
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	\$230,272 97

CR.

Appropriation,	\$170,000.00
Credits,	43,960.22
Stock on hand December 2, 1902,	5,263.00
Excise tax on street railway companies,	6,654 90
Transfer to balance,	4,394 85
	<hr/>
	\$230,272.97

NET EXPENDITURES—HIGHWAYS AND STREETS

Appropriation,	\$170,000.00
Excise tax on street railway companies,	6,654 90
Transfer to balance,	4,394.85
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	\$181,049.75

HIGHWAYS AND STREETS.

CENTRE CRUSHER.

365 tons of stone, at 61.16 cents per ton.

22,354 tons of stone, at 53.92 cents per ton.

1,996 tons of stone, at 46.55 cents per ton.

24,715 total.

Average cost of stone,	53.43 cents per ton
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Average cost of crushing,	26.87
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Total cost,	80.30
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PORTABLE CRUSHERS.

DUNBAR ST., WEST OF BOLTON ROAD.

200 tons of stone, at 63.50 cents per ton.

5,835 tons of stone, at 66.95 cents per ton.

1,008 tons of stone, at 49.97 cents per ton.

7,043 total.

Average cost of stone,	64.42 cents per ton
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Average cost of crushing,	45.02 cents per ton
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109.44

COFFIN AVE., COR. OF CHURCH ST.

3,600 tons of stone, at 60.71 cents per ton.

3,285 tons of stone, at 62.85 cents per ton.

1,622 tons of stone, at 44 95 cents per ton.

8,507 total.

Average cost of stone,	58.53 cents per ton
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Average cost of crushing,	59.78 cents per ton
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Total cost,	118.31
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Average cost of crushed stone, \$.934

STABLE AND TEAMING ACCOUNT.

Stock on hand December 2, 1902, (horses, teams, harnesses, hay, grain, straw, etc.)		\$16,936 51
Gross cost for 1903,		41,954.75
		<hr/>
		\$58,891.26
Received from water works, (board of horses,)	\$644.56	
Received for dressing,	566.60	
Received for pigs,	97.00	
Received from sundry persons,	36.88	
Stock on hand December 5, 1903,	18,021.25	\$19,366.29
		<hr/>
Cost of teaming, including repairs of carts,		\$39,524.97
Charge for work teams have done,		\$37,380 37

DEPARTMENT HORSES.

Working horses,	39
Driving horses,	3
	<hr/>
	42

CARTS IN USE.

Double carts,	15
Single carts,	17
Express wagons,	4
	<hr/>
	36

EXTRA CARTS, ETC.

Sundown,	1
Light driving wagon,	3
Open buggy,	1
Goddard buggy,	1
Water carts,	2
Jigger,	1
Single gear,	1
Single gears, (tree spraying)	2
Derrick gears,	2

STREET DEPARTMENT.

35

Sleighs,	2
Road scrapers,	2
Street sweepers,	5
	—
	23

BLACKSMITH SHOP.

Stock on hand December 2, 1902,	\$1,771.66	
Gross cost for 1903,	3,284.99	
		<hr/>
		\$5,056 65
Charged to sewers,	\$365.74	
General sewers,	371.57	
Sundry persons and departments,	98.35	
Stock on hand December 5, 1903,	1,928.96	\$2,764.62
		<hr/>
Cost of blacksmithing to highways and streets,		\$2,292.03

HIGHWAYS AND STREETS.

	1898	1899	1900	1901	1902	1903
Macadam, new,	\$21,652.17	\$24,417.11	\$25,599.47	\$25,529.65	\$12,396.20	\$19,318.35
Macadam, repaired,	1,564.20	1,186.97	1,797.34	1,831.96	1,054.15	1,368.27
Macadam, rebuilt,	17,158.36	20,773.43	9,128.12	14,465.02	6,418.67	15,808.34
Bitulithic,				9,954.70		24,393.78
Streets filled and graded,	30,157.63	9,387.82	15,162.16	12,338.83	23,817.33	18,377.00
Curbng, new and relaid,	14,818.59	8,171.18	7,805.38	7,827.41	11,276.80	14,653.44
Gutters, new,	11,903.24	7,810.30	10,502.93	11,555.59	9,172.64	9,120.79
Gutters, repaired,	1,502.05	2,187.37	1,108.84	1,314.64	899.99	1,120.60
Concrete sidewalks, new,	1,821.92	2,023.93	3,645.00	2,526.59	1,971.67	3,535.95
Concrete sidewalks, repaired,	999.33	1,653.50	1,960.90	3,417.07	5,087.86	4,030.12
Gravel and cinder sidewalks,	6,099.03	3,646.54	5,580.39	7,229.47	5,060.63	7,219.52
Granolithic,			3,118.80	6,214.99	5,639.17	12,947.80
Paving, new,	16,027.71	27,477.52	17,230.63	21,687.26	22,730.93	9,423.61
Paving, repaired,	1,311.13	6,626.53	2,642.07	4,039.17	2,256.47	4,408.91
Flagging, new and repaired,	1,691.61	1,301.54	1,238.24	2,124.54	999.23	2,088.34
Crosswalks, new and repaired,	553.72	929.93	866.47	488.27	481.41	1,096.20
Sweeping and cleaning streets,	9,106.06	11,089.47	11,994.32	14,927.16	19,532.11	19,007.34
Removing snow and ice,	7,422.25	5,202.61	245.57	31.95	1,955.12	1,780.76
Collecting ashes,	9,976.42	10,128.02	9,470.04	8,972.03	9,021.71	10,363.89
Trimming trees,	809.00	685.24	743.04	1,484.06	415.42	1,013.34
Filling holes in streets,	993.60	684.20	755.44	1,075.91	852.40	779.96

HIGHWAYS AND STREETS. (Continued.)

MACADAM		1898	1899	1900	1901	1902	1903
New :—							
Length in feet,		26,458	22,427	19,468	26,137.8	12,934.3	16,968.2
Area in square yards,		58,134	52,101	46,044	60,287.8	29,235.7	38,572.0
Tons of stone used,		22,044	22,456	21,185	19,189.0	9,172.0	13,945.0
Total cost,		\$21,652.17	\$24,417.11	\$25,599.47	\$25,529.65	\$12,396.20	\$19,318.35
Cost per square yard,		\$.389	\$.463	\$.554	\$.422	\$.440	\$.463
Av. tons of stone used per sq. yd.		.394	.431	.452	.394	.346	.407
Rebuilt :—							
Length in feet,		24,510	24,230	17,718	19,021.8	7,710.9	17,583.80
Area in square yards,		53,205	52,500	32,163	42,703.8	17,301.0	37,403.1
Tons of stone used,		16,843	14,011	7,644	13,117	3,690	11,584
Total cost,		\$17,158.36	\$20,773.43	\$9,123.12	\$14,465.02	\$6,418.67	\$15,808.34
Cost per square yard,		\$.315	\$.354	\$.359	\$.335	\$.370	\$.422
Av. tons of stone used per sq. yd.		.388	.317	.305	.284	.213	.309
Repaired :—							
Total cost,		\$1,564.20	\$1,186.97	\$1,797.34	\$1,831.96	\$1,054.15	\$1,368.27

HIGHWAYS AND STREETS. (Continued.)

GUTTERS	1898	1899	1900	1901	1902	1903
New:—						
Length in feet,	65,186	42,024	49,673	52,381	38,131.6	33,745.2
Average width,	3.3	3.3	3.5	3.3	3.2	3.3
Area in square yards,	23,718	15,701	19,317	19,386	14,121.6	12,371.9
Cost,	\$11,903.23	7,810.30	10,502.93	\$11,555.59	\$9,172.64	\$9,120.79
Cost per square yard,	\$.501	\$.49	\$.567	\$.593	\$.643	\$.741
Cost per foot in length, of ave'ge width,	\$.182	\$.182	\$.209	\$.219	\$.238	\$.269
Repaired:—						
Length in feet,	8,979	16,677	6,833	6,066	1,646.6	1,894
Area in square yards,	3,075	6,595	2,337	2,170	558.6	814.1
Cost,	\$1,502.05	\$2,187.37	\$1,108.84	\$1,314.64	\$899.99	\$1,120.60
Cost per square yard,	\$.281	\$.24	\$.272	\$.467	\$.441	\$.435
Cost per foot in length,	.096	\$.097	\$.089	\$.17	.149	\$.187

HIGHWAYS AND STREETS. (Continued.)

CURBING	1898	1899	1900	1901	1902	1903
New:—						
Length,	31,097.20	13,410	12,024	10,206.3	11,947.4	18,094.5
Cost,	\$14,108.14	\$7,092.01	\$6,809.20	\$5,816.12	\$7,946.53	\$12,239.50
Cost per foot,	\$.448	\$.531	\$.551	\$.567	\$.668	\$.700
Cost of stone per foot,	\$.30	\$.42	\$.39	\$.418	\$.49	\$.52
Cost per foot for labor,	\$.148	\$.111	\$.15	\$.149	\$.178	\$.18
Relaid with new curbing:—						
Length,	1,154.65	1,381	723	2,373	3,914.0	1,402.9
Cost per foot,	\$.441	\$.496	\$.548	\$.585	\$.693	\$.74
Relaid with old curbing:—						
Length,	1,493.45	5,797	4,595	4,015.9	3,525.8	6,343.4
Cost per foot,	\$.098	\$.115	\$.151	\$.147	\$.146	\$.19

HIGHWAYS AND STREETS. (Continued.)

CONCRETE	1898	1899	1900	1901	1902	1903
New :—						
Area in square yards,	6,449	5,465	8,198	4,680.89	2,380.80	5,251.54
Cost,	\$1,821.92	\$2,023.93	\$3,689.67	\$2,526.59	\$1,971.67	\$3,535.95
Cost per square yard,	\$.358	\$.378	\$.432	\$.54	\$.73	\$.717
Rebuilt :—						
Area in square yards,	2,215	2,257	3,284	6,239.37	5,998.55	7,496.80
Cost per square yard,	\$.371	\$.421	\$.39	\$.432	\$.650	\$.608
Topcoat :—						
Area in square yards,	219	644	1,021			
Cost per square yard,	\$.264	\$.219	\$.311			

PROTECTION OF SHADE TREES.

Stock, labor and teaming,		\$945.18
	CR.	
Appropriation,		\$1,000.00
Credits,		8.98
		<hr/>
		\$1,008.98
Expended,		945.18
		<hr/>
		\$63.80

COGGESHALL STREET BRIDGE. (Maintenance.)

Labor opening draw, oiling, painting, etc.,		\$45.86
	CR.	
Appropriation,		\$200.00
Expended,		45.86
		<hr/>
		\$154.14

COGGESHALL STREET BRIDGE. (Repairs.)

Stock, labor and teaming,		\$5,399.91
	CR.	
Appropriation,		\$5,500.00
Expended,		5,399.91
		<hr/>
		\$100.09

STREET SPRINKLING.

Stock, labor and teaming,		\$7,035.81
	CR.	
Appropriation,		\$8,375.00
Credits,		7.20
		<hr/>
		\$8,382.20
Expended,		7,035.81
		<hr/>
		\$1,346.39

DRAINS LAID.

Number	Size Pipe	Length feet	Cost	Average Cost per Foot
111	5 inch	3776	\$1,547.05	\$.4097
192	6 inch	6912	3,082.31	.4459
11	8 inch	470	589.57	1.2544
6	10 inch	170	94.04	.5531
			\$5,312.97	

62 drains repaired, cost,	\$350.88
191 drains cleared, cost,	375.24
Total cost of drains, new, repaired and cleared,	\$6,039.09

CATCH-BASINS, NEW.

Cost	* \$2,067.97
Number	26
Average cost	\$73.76
Catch-basins discontinued	11

* Includes remainder of cost catch-basins incompleted 1902.

RECAPITULATION—GENERAL SEWERS.

Catch-basins built	\$2,067.97
Catch-basins repaired	533.60
Catch-basins discontinued	57.67
Manholes, new and repaired	77.03
Eyeholes, new and repaired	71.25
Culverts and surface, new and repaired	821.31
Sewers repaired	19.52
Sewers cleaned	120.54
Drain at city stable	92 34
Office expenses and salaries	633.58
Stable office expenses and salaries	1,215.94
Tools, new and repaired	167.52
Tool-houses repaired	11.68
Catch-basins cleaned and flushed	4,579.73
Eyeholes and culverts cleaned	13.95
Carting stock to city yard	412.14
Blacksmithing	313.27
Repairs to diaphragm pump	51.70
Boilers repaired	104.59
Repairs to steam drills	137.62
Labor handling stock at city yard	62.48
Registration clerk	36.56
Janitor	43.29
Accident account	563.45
Drains, new, repaired and cleared	6,039.09
Stock, labor and teaming charged at cost	12,108.87
General repairs	25.40
Miscellaneous items	427.67
Stock on hand December 5, 1903	2,706.81
	<hr/>
	\$33,516.57

CR.

Appropriation	\$12,000.00	
Special appropriation	5,000.00	
Credits	18,376.23	
Stock on hand December 2, 1902	1,519.79	\$36,896.02
	<hr/>	
Expended		33,516.57
		<hr/>
		\$3,379.45

STREET DEPARTMENT.

45

NET EXPENDITURES — GENERAL SEWERS.

Appropriation	\$12,000.00	
Special appropriation	5,000.00	\$17,000.00
	<hr/>	
Credit balance		3,379.45
		<hr/>
		\$13,620.55

NEW SEWERS.

Sundry sewers built		\$31,715.83
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CR.

Sundry appropriations	\$33,804.97	
Brought forward from 1902	292.43	\$34,097.40
	<hr/>	
Expended		31,715.83
		<hr/>
Transferred		\$2,381.57

CITY OF NEW BEDFORD,
IN BOARD OF ALDERMEN,
March 10, 1904.

Received, ordered printed in the City Documents,
and sent down for concurrence.

D. B. LEONARD, City Clerk.

IN COMMON COUNCIL,
March 10, 1904.

Concurred.

W. H. B. REMINGTON, Clerk.

DETAILS OF SEWERS CONSTRUCTED IN 1903.

STREET	LOCATION	SIZE AND MATERIAL					Total length	Greatest cut	Average cut	Greatest cut in ledge	Average cut in ledge	Cubic yards ledge	Cubic yards earth	Total cubic yards excavation	Number of manholes	RATE OF GRADE IN FEET PER 100 FT.	Cost of labor	Cost of labor per foot of length	Cost of material, Trenching, &c.	Total cost of sewer	Cost per foot of length	Ordered	Commenced	Finished	REMARKS
		VITRIFIED PIPE																							
		8 inch	10 inch	12 inch	18 inch	24 inch																			
BY SPECIAL APPROPRIATION																									
Acushnet No. 21	Bellville road south 896 ft.		430.7				430.7	11.50	10.29	.12	1.0	12	563	575	1	0.5 0.9	791.79	1.84	175.43	967.22	2.26	October 8	November 20	December 1	Cost incomplete by \$8.62
Acushnet ave. No. 22	Merrimac south 89 ft.																16.75			16.75		November 4	December 5	December 7	Unfinished, Year ends Dec. 5
Dartmouth sta.																	15.00		34.92	49.92					Remainder of cost
road	The River to Acushnet ave. sewer			2277.3			4810.2	11.63	8.56			2	2869	2871	4	{ 2.80; 2.86; 2.08.05 } { 2.80; 2.86; 2.08; 1.90 }	3358.42	1.52	4603.63	8462.05	3.34	May 27	August 24	October 7	{ Sewer laid in same trench, below surface drain
	The River to 220.3 ft. west of Acushnet ave. surface drain																								
	From 222.2 ft. north of Rivet st. to Kane st.		189.0																						
					2532.9																				
	From 100 ft. so. of Court in Palmer to 80 ft. so. of Kempton in Chep't		2425.0				2425.0	10.48	7.13				1921	1921	3	0.3;0.5;0.54;1.32	1695.57	.70	933.51	2629.08	1.08	Oct. 1, 1902	Dec. 8, 1902	May 23	
Chepatchet and Court sts.	Ruth to David																267.49		41.85	309.34					Remainder of cost
Cleveland st.																									
Clinton st.	From 96 ft. east of, to 269 ft. west of Orchard		410.0				410.0	10.82	9.14				501	501	1	1.30; 2.32	460.26	1.09	196.70	656.96	1.55	October 8	November 2	November 10	13 ft. of old sewer lowered
Coggeshall st.	Bowditch st. west 477 ft.		506.4				506.4	15.00	11.92	5.4	1.8	21	762	783	1	0.50	1675.73	3.31	396.07	2071.80	4.09	April 9	April 21	May 7	
Collette st.	Acushnet ave. to Church st.		1570.7				1570.7	10.98	9.21	3.5	1.8	75	1801	1876	3	1.52; 1.24; 0.50	2181.25	1.39	773.58	2954.83	1.88	May 13	July 27	August 20	
Cottage st.	Robeson st. north 340 ft.		344.0	20.0	14.0		378.0	9.31	8.75				368	368	1	1.50	399.06	1.06	179.34	578.40	1.53	September 23	October 8	October 12	
	Acushnet ave. to centre of Bowditch st.			629.0			629.0	13.40	12.85	11.4	5.5	335	777	1112	1	0.40	3452.35	5.49	809.55	4261.90	6.77	May 27	June 25	August 7	
	Grape st. to 50 ft. south of Allen st.		318.0				318.0	11.41	10.14				418	418	1	0.50	504.36	1.59	128.38	632.74	1.99	September 9	October 14	October 20	
	Tinkham st. to 91.5 north of Eugenia st.		580.5	300.0			880.5	9.43	8.39			4	954	958	3	0.5; 2.21	1029.34	1.17	395.45	1424.79	1.62	Oct. 8 & Nov. 4	November 10	November 24	
Maxfield st.	Liberty st. to 100 ft. west of Park st.		460.5				460.5	11.66	9.94				594	594	1	0.60	470.41	1.02	171.51	641.92	1.39	March 4	May 26	May 29	
McGurk st.	Cove st. south 720 ft.		749.0				749.0	9.35	8.43				701	701	1	0.50; 2.10	636.08	.85	295.10	931.18	1.24	May 27	June 8	June 12	
	From 140 ft. west of Riverside to 50 ft. east of Belleville ave		667.7				667.7	8.58	5.73				392	392	1	0.63; 0.50; 1.32	326.81	.49	233.19	560.03	.84	June 24	August 20	August 25	
Reed st.	Court st. north 200 ft.		225.0				225.0	8.24	7.54				189	189	1	0.50; 1.88	174.38	.77	100.78	275.16	1.23	February 4	May 20	May 23	
Rockdale ave.	From 55 ft. north of Milton to Fairmount st.		917.1				917.1	9.55	9.18				935	935	1	0.854	735.98	.80	395.33	1131.31	1.23	March 26	June 1	June 8	
Ruth st.	From Cleveland st. west 125 ft.		125.0				125.0	8.40	8.18				133	133		1.58	111.50	.89	48.11	159.61	1.27	July 13	July 13	July 18	
Shawmut ave. No. 6	From Durfee st. south 200 ft.		220.0				220.0	17.12	9.15				224	224	1	0.50	213.27	.97	114.72	327.99	1.49	May 13	May 22	May 26	
	From Austin st. sewer to 210 ft. north of Austin st.		288.5				288.5	9.60	8.64				277	277	1	1.52; 0.50	265.83	.92	128.70	394.53	1.33	May 13	May 22	May 29	
	Belleville ave. to Acushnet ave.		776.0	134.0			910.0	11.96	7.97	3.4	1.5	44	896	940	2	1.2; 2.79; 2.6; 1.0	1167.44	1.28	430.20	1597.64	1.76	May 27	June 13	June 27	
Tinkham st.	Acushnet ave. west 262 ft.		308.0				308.0	10.56	9.70				387	387		1.85	316.72	1.03	97.19	413.91	1.34	November 12	November 30	December 4	
			11511.1	3360.3	14.0	2532.9	17418.3					493	15867	16360	28		20951.82		10764.01	31715.83					
BY GENERAL SEWER APPROPRIATION																									
Lake and Jenny Lind	Chepatchet street. to 700 ft. north of Lake street	597.0	351.1				948.1	9.69	6.36				670	670	1	0.4 to 1.76	231.75	.24	24.19	255.91			May 15	May 21	Pipe furnished and cost paid by F. Wm. Oesting.
	Totals	597.0	11862.2	3360.3	14.0	2532.9	18366.4					4.93	16537	17030	29		21183.57		10788.20	31971.77					

1904. CITY DOCUMENT. No. 11.

ELEVENTH ANNUAL REPORT

OF THE

ENGINEERING DEPARTMENT

OF THE

CITY OF NEW BEDFORD

TO THE CITY COUNCIL

BY THE

CITY ENGINEER

FOR THE YEAR 1903.

NEW BEDFORD, MASS.
THE A. E. COFFIN PRESS, CITY PRINTERS,
1904.

REPORT.

CITY OF NEW BEDFORD,
ENGINEERING DEPARTMENT,
January 1, 1904.

To the City Council of the City of New Bedford : —

GENTLEMEN: — In compliance with section 5 of the ordinance defining the duties of the City Engineer, the following report of the expenses and operations of the Engineering Department for the year ending December 5th, 1903, is respectfully submitted :

EXPENDITURES.

Salaries and pay rolls,	\$8,077.08
Rent,	741.12
Janitor's services,	106.00
Lighting,	17.18
Telephone,	63.95
Street railway tickets,	100.00
Drawing instruments and supplies,	124.03
Printing, stationery, etc.,	93.05
Sundry supplies,	64.89
Repairs to instruments, tapes, etc.,	10.35
Sundry labor, not in pay roll,	536.23
Office furniture and repairs,	135.12
Print cloth, etc., for platting system,	28.25
Horse and carriage hire,	22 75
Traveling expenses, postage, express, etc.,	136.10
Printing report,	26.50
General instruments for office and field,	13.70
Meteorological instruments,	33.50

Public statutes and reference books,	8.50	
Grade crossing investigation,	239.25	
	<hr/>	\$10,577.55
Balance,		22.45
		<hr/>
		\$10,600.00

RECEIPTS.

Appropriation, regular,	\$10,000 00	
Appropriation, special,	600.00	
	<hr/>	\$10,600.00

EXPENDITURES.

Gross,	\$10,600.00
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RECEIPTS.

By credit to unappropriated funds :

Labor and material making plans and blue prints,	\$48.50	
Labor taking soundings, etc.,	20.50	
	<hr/>	\$69.00
Net expenditure,		\$10,531.00
		<hr/>
		\$10,600.00

Grade crossing expenditures for the year 1895,	\$517.92
Grade crossing expenditures for the year 1896,	2,067.20
Grade crossing expenditures for the year 1897,	936.59
Grade crossing expenditures for the year 1898,	620.39
Grade crossing expenditures for the year 1899,	357.90
Grade crossing expenditures for the year 1900,	140.59
Grade crossing expenditures for the year 1901,	1,398.16
Grade crossing expenditures for the year 1902,	559.14
Grade crossing expenditures for the year 1903,	239.25
	<hr/>
Total expenditures to date,	\$6,837.14

The assistants at present employed in the department are George H. Nye, L. J. Hathaway, jr., Frank H. Murkland, Norman Barstow, Arthur W. Gardner, Gilbert Almy, Arthur C. Kirby, and Jessie Loughlin.

The following table shows the distribution of time and salaries of the assistants for the year. The cost of administration is shown as an undivided charge.

ASSISTANTS' TIME AND COST.

GENERAL CLASSIFICATION OF WORK DONE.

	OFFICE.		FIELD.		TOTAL Cost.
	Time.	Cost.	Time.	Cost.	
Approach to New Bedford and Fairhaven bridge, surveys and plans,	136	\$82.45	739	\$281.83	\$364.28
Assessors' plats, corrections, record of transfers, etc.,	2,421	954.49	298	51.89	1,006.38
Bench marks,			4	1.08	1.08
Bound stones, lines and levels for setting same,	2	1.24	67	19.15	20.39
Catch basins, lines, grades and measurements,			21	6.21	6.21
Cemeteries, surveys, plans, posting plat books, etc.,	828	254.01	156	56.35	310.36
Com. on Pub. Prop., City Solicitor, Inspector of Bldgs., other city officials,	346	141.70	372	102.81	244.51
Committee on street lights,	3	1.86	1	.62	2.48
Drains, grades and levels for laying same,	2	1.05	26	7.94	8.99
Drains, location, measures, index of same,	409	81.36	206	48.44	129.80
Dredging,	98	32.02	88	22.21	54.23
Grade crossing investigation,	45	20.50	22	3.52	24.02
Harbor line, plan showing same,	45	28.01	75	15.33	43.34
Indexing plans, note books and other records,	876	179.41			179.41
Meteorological instruments, daily observations, etc.,	267	59.67	399	73.72	133.39
New work, measurements, calculation, macadam, concrete, etc.,	510	180.12	323	87.19	267.31
Office work, cleaning tapes and instruments, entering orders, errands, etc.	2,013	411.02	97	13.05	424.07
Park Commissioners, surveys, plans, etc.,	328	167.52	154	50.99	218.51
Private parties, grades for buildings, steps, etc.,	72	29.67	896	253.85	283.52
Private work,	107	39.97	488	131.45	171.42
Reports of 1902 and 1903, compiling information for same,					66.92
Sewer construction, grades, levels, plans, records, measurements, etc.,	180	66.92			66.92
Sewer assessments, plans, ownerships, records, etc.,	589	237.08	297	82.77	319.85
	388	164.39			164.39

	ASSISTANTS' TIME AND COST.				
	OFFICE.		FIELD.		TOTAL
	Time.	Cost.	Time.	Cost.	Cost.
GENERAL CLASSIFICATION OF WORK DONE. (Continued.)	80	\$29.63	588	\$164.86	\$194.49
	657	290.88	439	141.20	432.08
	128	29.90	107	25.96	55.86
			7	4.04	4.04
	3	.44	8	2.86	3.30
	927	303.37			303.37
	88	39.11	161	47.97	87.08
	11,548	\$3,827.79	6,039	\$1,697.29	\$5,525.08
		2,552.00			2,552.00
Totals, Administration,					
Total cost,	11,548	\$6,379.79	6,039	\$1,697.29	\$8,077.08

ENGINEER'S REPORT.

PLATTING SYSTEM.

Record of conveyances of real estate recorded at the Registry of Deeds at New Bedford, as reported to the Board of Assessors each month.

TRANSFERS.

1902, December,	77
1903, January,	83
1903, February,	54
1903, March,	122
1903, April,	158
1903, May,	165
1903, June,	131
1903, July,	134
1903, August,	129
1903, September,	119
1903, October,	148
1903, November,	120
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Total,	1,440

In May a full set of blue prints of the plats, 137 in number, was furnished the Board of Assessors.

During the year the records of 92 estates have been looked up in the Probate Court at Taunton.

December 1, 1903, there were 15,463 lots shown on the plats, being 720 more than on December 1st, 1902.

11 new tracings of plats have been made to replace old tracings.

The largest number of transfers made by a single individual during the year was 31.

This is the largest year's business done since the platting system was established.

DREDGING DOCKS.

An appropriation of \$3,000.00 was made for dredging docks, where sewers discharge, which was expended under the supervision of this department.

A contract was made with Charles M. Cole of Fall River, Mass., to perform the dredging at $29\frac{1}{2}$ cents per cubic yard, the material to be dumped on North Ledge.

The amount of material removed from each dock and the cost of same, including inspection, was as follows:—

	Cubic yds.	Cost.
Coffin street dock,	838	\$250.10
Walnut street dock,	688	205.08
Union street dock,	1,038	309.60
School street dock,	2,041	608.60
So. Rotch (City) dock,	1,974	588.50
North street dock,	1,226	365.60
Maxfield street dock,	2,254	672.00
Total,	10,059	\$2,999.48

Since 1880, the city has spent the following amounts for dredging or repairs to wharves on account of the sewers named.

1880, dredging, account Coffin street sewer,	\$150.00
1886, dredging, account various sewers,	1,835.00
1887, repairing dock, account Middle street sewer,	336.81
1888, repairing dock, account Coffin street sewer,	6,313.68
1890, dredging, account Coffin street sewer,	200.00
1892, dredging, account Walnut street sewer,	465 97
dredging, account Coffin street sewer,	195.47
dredging, account School street sewer,	463 84
dredging, account Elm street sewer,	562.99
dredging, account Maxfield street sewer,	417.38
1895, dredging, account Howland street sewer,	244.80
dredging, account Coffin street sewer,	206.40
dredging, account Walnut street sewer,	379.20
dredging, account School street sewer,	454.40
dredging, account Union street sewer,	264.00
dredging, account Elm street sewer,	132.00
dredging, account Maxfield street sewer,	401.60
1898, dredging, account Coffin street sewer,	75.00
1900, dredging, account Coffin street sewer,	164 00
dredging, account Walnut street sewer,	371.40
dredging, account School street sewer,	356.20
dredging, account Union street sewer,	355.25
dredging, account North street sewer,	385.70
dredging, account Maxfield street sewer,	20.61
1903, dredging, account Coffin street sewer,	250.10
dredging, account Walnut street sewer,	205.08
dredging, account Union street sewer,	309.60
dredging, account School street sewer,	608.60
dredging, account North street sewer,	365.60
dredging, account Maxfield street sewer,	672.00
dredging, account City's So. Rotch wharf,	588.50
	<hr/>
	\$17,676.18
In 1900, for dredging channel north of Fish Island,	2,292.00
	<hr/>
	\$19,968.18

EXTENSION OF CITY WHARF.

FOOT OF UNION STREET.

The reconstruction and extension of the City's wharf at the foot of Union street, formerly known as "Taber's Wharf," was completed under the supervision of this department, in accordance with plans approved by the Committee on Wharves and the Board of Harbor and Land Commissioners.

Berths were also dredged on the north and south sides and end of wharf to the maximum depth of the channel.

Proposals for the construction of the wharf were received Aug. 4, from the following parties:

McKinnon Pile Driving Co., Providence, R. I.,	\$11,990.92
Charles E. Davis, New Bedford,	13,473.00
William H. Ellis, Boston, Mass.,	14,838.00
Roy H. Beattie, Fall River,	14,860.00
Frank C. Taylor, New Bedford,	16,450.00

The contract was let to Charles E. Davis of this city, Aug. 11, and was completed Dec. 19, 1903, at which time the cost of the improvements was as follows:

Inspection, etc.,	\$213.79
Advertising for proposals,	27.67
Chas. E. Davis, contract,	13,473.00
Chas. E. Davis, extras,	108.92
Water pipe,	68.68
Tar,	4.85
Sundries,	4.00
	<hr/>
	\$13,900.91
Chas. M. Cole, dredging 7,280 cubic yards,	2,167.60
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Total,	\$16,068.51

The freight and immigration shed will be completed in the early part of 1904, water pipe laid, and the solid fill portion of the wharf brought to the new grade of the pile and timber addition.

TIDAL INVESTIGATION.

During the past summer the usual complaints have been heard relative to offensive odors from sewage discharging into Clark's Cove. Were it not for the fact that the summer was unusually cold, these complaints would probably have been far more numerous. It is a fact worthy of note, however, that up to the present time there has been no official declaration that these odors of decomposing sewage are a menace to the public health. I mention this because it seems to be a singular omission in view of the great expense involved in any scheme that promises permanent relief.

There are other difficulties involved, it is true, as for instance, the flooding of cellars and the disfigurement of the shore. The former is due principally to the lack of capacity of the sewers under certain conditions and not to the location of their outlets. The latter is entirely a matter of location of outlets and is deserving of more consideration. Were it not for the sewers the shore of the head of Clark's Cove would soon become a handsome stretch of beach and a very attractive addition to the natural beauties of the city.

Three methods for the disposal of the sewage now discharging into Clark's Cove were considered in my report of November 9, 1901, to your special committee on this subject. I have nothing at this time to add to that report, except to state that owing to the present increased cost of material and labor, a considerable increase should be made in the estimates furnished with the report. I might add also that the methods considered provided only for the actual sewage with an allowance for growth of population, but it is simply a question of the cost to expand any one of these methods to take care of the entire rain water and sewage flow of this territory.

The question of the location of a general outlet was not fully settled and a further investigation was recommended.

The purpose of this report is therefore to furnish you with the results of my investigations with reference to the location of a general outlet for the disposal of the sewage from Clark's Cove at some point in the lower harbor on the east side of Clark's Point.

During the past year I have concluded the tests commenced in 1902, to determine to what extent the tides and winds will effect sewage discharged into the harbor below Palmer's Island. Two points of discharge were assumed: one at a point about 1,600 feet east of the shore at Cove street, and the other at a point about the same distance east of the shore at the north line of the government property at the end of Clark's Point. The tests were made with wood floats, weighted so as to float nearly submerged and expose as little surface as possible to the direct action of the wind. Only a comparatively thin layer of surface water is affected by the wind and thus made to move faster or slower than that a short depth below the surface, according as the wind is with or against the current. The light particles of sewage float in this surface layer and are therefore governed by different conditions than the heavier parts.

The floats were put in the water at the turn of the tide and their position noted at the next turn of the tide, and although they were made of sufficient length to reach water acted upon only by the tide, the direction and force of the wind had a considerable influence over their course. During very stormy weather it was not possible to carry on the tests, but a sufficient period of time and conditions of weather were covered to justify the conclusion that under similar conditions the results would be the same.

Floats set off Cove street at low tide rarely came north of the north end of Palmer's Island. An ebb tide

would then invariably carry them so far down the harbor that the returning flood tide would not bring them north of the starting point off Cove street. Easterly winds drove the floats towards the shore and to the north of Cove street on flood tides and to the south of the same on ebb tides. If the wind was strong the floats would reach the shore before the tide ebbed. In strong westerly winds a few floats were carried to the Fairhaven shore in the neighborhood of Fort Phoenix. Floats set on ebb tides, except in strong south easterly or easterly winds, invariably went in a south easterly direction into the main channel.

Floats set off the north line of the government property were also influenced by the wind, but only a few reached the shore on the flood tide with strong easterly winds. The ebb tide always carried them clear of the end of the point, no matter what the direction of the wind.

A few floats were set at the head of Clark's Cove, but as the wind was southwest they all were blown ashore whether set on the ebb or flood tides.

The action of the floats is a safe test of the probable action of sewage, for the reason that only the lighter parts of sewage will float and they are not liable to be carried as far as will the test floats. I am therefore of the opinion that it is safe to assume:

1st. That sewage discharged into the lower harbor off Cove street will not be carried into the upper harbor to any appreciable amount by any condition of wind or tide;

2nd. That strong easterly winds will probably carry some of the lighter parts of sewage to the shore for a short distance, both north and south of Cove street. It does not seem probable that this in itself will ever amount to a nuisance as long as the tides have a clear sweep along the shore, unobstructed, as at present, by piers or wharves to form basins for the retention of this material;

3rd. That there will undoubtedly be a deposit of sewage in the vicinity of the outlet which it will be necessary to remove by dredging in the course of time. It is very difficult to say how often this will have to be done. We have found that the docks where sewers empty, require dredging every three to four years, but these are quiet basins with little, if any, current action by the tides, and their commercial use makes a comparatively small shallowing of depth a serious matter.

These tests have not settled whether or not the constant discharge of a large volume of sewage at this point will so saturate the surrounding water that the action of the tides will not sufficiently clarify or dilute it to prevent offensive odors being carried ashore with easterly winds. It does not seem probable that such a condition will arise for many years. The distance of the outlet from the shore, together with the prevalence of westerly winds, will be important factors in determining this question. An inspection of the records of the direction of the wind for the past ten years, shows that the wind came from the east on an average of six days in the year, and from the southeast twenty-four days in the year. As these are the only winds that would cause any trouble, it would not be of frequent occurrence. During the same period the wind blew from the southwest on an average of ninety-four days in the year.

The location of the sewer outlet at a point about 1,600 feet in a south easterly direction from the north line of the government property, would be more desirable for several reasons than a location off Cove street. It is a mile and a half farther from the city, the water is twice as deep and the tidal volume passing the location is very much larger. The ebb tide will carry the lighter parts of sewage well into Buzzards Bay from which the flood tides will rarely ever return them. The more serious objection to this location is the additional cost of extending the

sewer the length of Clark's Point and the greater cost of building the outlet in the deeper water.

In reply to the oft repeated suggestion to extend the present sewers into Clark's Cove, I will again state that in my judgment this will afford only a temporary relief and in a short time the sewage will again render unsightly and offensive the adjoining shore, and the odors will be more offensive than ever.

It has been proposed at various times that the city purchase the shore rights on both sides of Clark's Point for development in connection with the park system. I wish to urge the desirability of such action as an economic measure in anticipation of the future sanitary requirements of the city. The development of Clark's Point will require the construction of sewers which must discharge into the lower harbor or into the cove. With the present comparatively straight shore line uninterrupted by wharves or other projections, it will be many years before these local sewers will cause any serious trouble. The construction of piers or other solid structures projecting out from the shore, will form basins where sewage will collect and become offensive. This, together with the necessities of the owners of the shore for more room, will require the extension of the sewers into the deeper water at an expense far in excess of the present value of this property.

The east shore line of Clark's Point, from Cove street to the government property, is approximately 8,200 feet long, of which about 2,600 feet has practically no area, as the easterly line of east French avenue is the actual shore line. Therefore, it's ownership consists simply of a title which will enable the holder to build into the water, if granted a license to do so by the Harbor and Land Commissioners. It is quite evident that the Special Act of 1806, conferring certain rights on the owners of land adjoining Acushnet river, does not apply to Clark's Point.

The owners of this 2,600 feet of shore rights do not at the present time pay any taxes for the same. The balance of 5,600 feet of shore has an area of about 273,600 square feet, of which the city already owns 138,000 square feet or over one half. With two exceptions these properties are entirely unimproved.

On the west side of the point there is a narrow tract of shore land between West French avenue and the water of the cove of approximately 213,600 square feet in a distance of about 6,000 feet, from the government property to a point a short distance south of David street. Of this area the city already owns about 145,000 square feet. From David street to the sea wall at County street it will be sufficient to simply take the shore rights, as a considerable part of this land is already improved.

The assessors' valuation of the land that should be taken upon both sides of the point, including improvements, is \$7,650.00. The assessors do not place any valuation upon the 2,600 feet on the east side of the point where the shore line is coincident with the east line of the avenue.

The work of the department for the past year is so fully and systematically shown in the tables attached that further explanation as to what has been done, seems to me unnecessary.

In closing, I wish to thank the many citizens and members of the city council and of other departments who have from time to time kindly assisted this department.

Respectfully submitted,

WILLIAM F. WILLIAMS,

City Engineer.

SUMMARY OF DAILY METEOROLOGICAL OBSERVATIONS TAKEN BY THE ENGINEERING DEPARTMENT AT THE
CITY HALL FOR THE YEAR 1903.

[illegible]

SHOWING RAINFALL AT NEW BEDFORD AS
REGISTERED BY T. R. RODMAN, 1903.

Day	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1		.01										
2										.06		.07
3	1.14	.30		.06						.02		.39
4		.94		.45	.10							.03
5	.05		.02		.03			.15	.01	.03	.70	
6	.56				.03		.32	.27		.13	.37	
7				1.20	.06	.03		.11		.05	.06	
8		.35		2.08		.45				.09		
9			2.60	.12		.08		.14		.12		.48
10			.55	.11						.60		.40
11			.51			.05		.32		.35		
12	.90	.84				.64				1.17		
13						.92	.16			.10		.42
14						.02						
15				1.56		.60						
16		.61		.16		.10	.09				.88	
17		.71		.03						.88	.76	
18							.03		1.24	.37	.33	
19					.17		.62					
20					.09			.06				.80
21	1.00		.73				.10					.10
22			.97								.07	.04
23			1.20			.72				.18	.07	
24			.06			.26			.05		.02	
25						.17		.37				.20
26	.38						.72	.17				.12
27											.06	.05
28	.10	.76	.02						.41			
29						.11					.22	.25
30	.64		.24		.33		.11				.03	
31			1.12				.05	.93				
Totals	4.77	4.52	8.02	5.77	.81	4.13	2.22	4.47	1.71	4.15	3.57	3.35

Total fall for the year, 47.54 inches.

MONTHLY SUMMARY OF TIDES FOR THE YEAR 1903.

	Average high tide above mean high water.	Average high tide below mean high water.	Average low tide below mean high water.	Highest high tide above mean high water.	Lowest high tide below mean high water.	Highest low tide below mean high water.	Lowest low tide below mean high water.
January,		.291	4.07	1.0	1.3	2.3	6.6
February,		.485	4.40	1.3	2.5	2.9	6.4
March,	.02		3.80	1.2	1.2	1.8	5.8
April,	.08		3.37	1.2	0.7	2.3	4.7
May,		.02	3.83	1.1	1.2	2.8	4.8
June,	.127		3.51	1.6	0.7	2.4	4.3
July,	.38		3.50	1.5	0.5	2.8	4.5
August,	.16		3.70	1.5	0.9	2.5	4.6
September,		.114	3.80	1.2	1.6	2.6	4.7
October,		.174	3.23	1.3	1.4	2.3	5.0
November,		.072	3.88	1.1	1.5	2.8	4.8
December,	.05		3.84	1.8	1.8	3.0	5.2
For the year,		.029	3.74	1.8	2.5	1.8	6.6

Average range of tides for 1903, 3.711 feet.

Average range of tides since 1896, 3.646 feet.

Average high tides below mean high water since 1896, 0.042 feet.

Average low tides since 1896, 3.691 feet below mean high water.

Mean high water is .65 feet below City Datum=0.

STREETS LAID OUT AND ACCEPTED.

STREET.	FROM	TO	DATE OF ACCEPTANCE.	WIDTH AND LENGTH IN FEET.			
				20	30	40	50
Bennett, Brook, Bullard, Earle, Eugenia, Fair, Keen, La France Ct. Lucas, Mechanics Lane, Potter, Tallman, Tinkham, West, Whitman,	Coggeshall, Nash road, Bowditch, Acushnet ave. Acushnet ave. Orchard, Park, County, Brock ave. Purchase, Shawmut ave. Belleville ave. Acushnet ave. Grape, Diman,	north, south, west, Church, Hope, Hemlock, Liberty, west, W. French ave. Pleasant, Highland, Front, Church, Allen, Hope,	Feb. 13, 1903 Oct. 23, 1903 Jan. 23, 1903 June 3, 1903 June 26, 1903 May 18, 1903 March 27, 1903 Feb. 13, 1903 June 26, 1903 June 12, 1903 April 11, 1903 May 18, 1903 Oct. 23, 1903 June 26, 1903 March 2, 1903			163.55	389.50 454.05 1,649.68 1,530.21 424.44 538.39 1,208.41
				222.19	231.63	1,021.33	496.68 1,826.16
						374.96	689.28
Total, 11,220.46 feet, or 2.125 miles.				222.19	231.63	1,559.84	9,206.80

STREET WIDENED.

Penniman st., County west 70 feet, June 26, 1903, 10 feet on north side.

STREET DISCONTINUED.

Central ave., Acushnet ave. west 557.34 feet, June 26, 1903, 50 feet wide.

STREET NAME CHANGED.

Grant st., Purchase ave. to Mt. Pleasant changed to Nauset st., Feb. 13, 1903.

LEVELS TAKEN.

ENGINEER'S REPORT.

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STREET.	FROM	TO	LENGTH.	OBJECT.	FOR
Beetle, Butler, Clara, Coffin, County, De Wolf, Edison, Elm, Kearsarge, Middle, Morgan, Norman, Pleasant, Ruth, Ward, William.	Front, Brock ave. E. French ave. Water, Court, Durfee, Nash road, Cottage, Perry, Front, County, Brock ave. Middle, E. French ave. Allen, Eighth.	Acushnet ave. east, Brock ave. west, Morgan, Mt. Vernon, north, Cedar, Hadley, Water, west, east, High, Brock ave. north, County.	364 feet 792 " 1,763 " 200 " 860 " 1,250 " 264 " 665 " 205 " 329 " 533 " 215 " 210 " 188 "	To fix grade for macadam, To determine amount of grading, To establish grade, To change grade, To find grade, To establish grade, To fit grade of north side, To establish grade, To establish grade, To change grade, To find relation to grade, To fix grade for macadam, To establish bench marks, To establish grade, To get depth of sewer.	Street Department, Street Department, Private parties, Street Department, New High School, Water Works Department, Private parties, Street Department, Engineering Department, Street Department, New High School, Water Works Department, Street Department, Engineering Department, Street Department, New High School.
			7,768 "		

STREETS NUMBERED.

STREET.	FROM	TO	INTERVAL IN FEET.	NOS. GIVEN.
Allen,	Page,	Town Line,	25	24
Ashley,	Cove,	south,	40	7
Brock ave.	Allord,	W. French ave.	25 and 30	10
Cleveland,	Ruth,	south,	40	6
Collette,	Belleville ave.	Church,	20	10
Dudley,	Brock ave.	W. French ave.	25	8
Earle,	Front,	Acushnet ave.	20	5
Field,	Hollyhock,	Babbitt,	20	14
Ocean,	Maple,	Union,	25	6
Orchard,	Arnold,	Bedford,	20	16
Perry,	Belleville ave.	Acushnet ave.	25	5
Ruth,	E. French ave.	Brock ave.	20	3
Sisson,	Court,	Arnold,	20	7
Studley,	County,	Ashland,		3
Willard,	Brock ave.	W. French ave.	40	10
Woodlawn,	Brock ave.	W. French ave.	25	4

Single numbers given on streets previously numbered, 199.

STREET DEPARTMENT.

Lines for setting curbing,	23
Grades for setting curbing,	51
Lines for gutters,	20
Grades for gutters,	32
Lines for paving,	2
Grades for paving,	5
Lines for grading streets,	1
Grades for grading streets,	30
Lines for retaining walls,	5
Grades for retaining walls,	4
Grades for sidewalks,	3
Lines for culverts,	2
Grades for culvert,	2
Line for catch basin,	1
Grades for catch basins,	4
Grades for macadam,	2
Grades or levels for drains,	16
Grades for laying new sewers, (no. of trips)	42
Branches and ledge measured on new sewers (no. of trips)	45
Branches located for connecting drains,	
Plans for construction of 20 new sewers,	
Location and record of drains laid during the year,	
Measurement of all street work done by or for the department,	
Street and sewer maps corrected to date,	
Assessment plans of sewers laid in 1903,	
Sewer plans entered in sewer book,	
Copies of street layout plans furnished for registry of deeds,	
Lists of abutters furnished for all hearings,	
Standard plan of granolithic for office use,	
Detail plan for curbing at Parker Street School and Armory,	
Levels to find amount of dirt in proposed cellars on Cleveland street,	
Levels to find low points on several streets for catch basins,	
Survey, levels and plan of brook across Ingraham and Duncan sts.	
Location of brook on Bolton road,	
Replacing stakes dug out at Acushnet avenue and Collette street,	
Finding bound stone overthrown and buried on County road,	
Survey, levels, plans, and grades for paving Bennett Mill yard,	
Grade and plan for macadam at Whitman Mill,	
Investigation and plan of sewerage Cornell Place,	
Scrap book kept up for the year.	

PARK COMMISSION.

Cross section and contour plan of large field at Buttonwood, showing proposed change in grade,
Survey, levels, plan, grades and line for canal south from pond, Buttonwood,
Plan of property lying north of Buttonwood,
Line and grade for gutters, west end of Court street,
Plan of bear pit for Brooklawn,
Survey and plans for proposed pond in Common,
Survey and plan for purchase of shore property at Hazelwood,
Set bound stones on shore property at Hazelwood.

ASSESSORS.

Survey of lots at Belleville, south of David street, cor. Woodlawn, and Brock avenue and Kempton, west of Chepatchet street.
Survey and plans of mill sites: Grinnell, City, Potomska, Acushnet, Dartmouth, Hathaway, Butler, Howland, Rotch, Whitman, Pierce, Soule, Bennett and Bristol Mills, T. N. B. Copper Co., Wamsutta Wharf, Pairpoint, Gas Co., F. T. Akin, A. W. Holmes, Greene & Wood, John Hastings, and foot of Howland street properties.

BOARD OF HEALTH.

Contagious disease chart made.

OVERSEERS OF POOR.

Map corrected.

WATER BOARD.

Lines for laying pipe, 2.
Grades for laying pipe, 18.
Survey and plan of new lot on Water street,
Set bound stones at new lot,
Grades and lines for grading lot, building retaining walls, fence and sheds on new lot,
Soundings and plan for water main Fish Island to Pope's Island.

INSPECTOR OF BUILDINGS AND COMMITTEE
ON CITY PROPERTY.

Lines given for 182 buildings,
Grades given for 285 buildings, fences, steps, etc.
Levels in cellars of Armory and Central Engine House,
Survey and plan of present High School and lot,
Cross section, plan and estimates for grading Clark Street School lot.
Lines and grades for 3 portable schoolhouses, Kempton Street
Engine House, and Isolation Hospital,
Lines and grades for curb and granolithic Parker Street School,
Grades for grading lot at Coggeshall Street School.

CEMETERY BOARD.

Plat books posted for the year,
Areas of cemeteries figured.

RURAL.

Survey and plan for fence Dartmouth street,
Section A-4, restaked,
Section Q, lot 24, staked,
Section S. E, lot 169, staked and plan made,
Grades and line for extending north wall,
Section H, plat 3, staked, grades given and lots staked,
Section D, plat 4, grades given,
Section A-3, plat 8, plan made and areas figured,
Section A-3, common ground, and A-5, plans made.

OAK GROVE.

Section 3, plan made,
Section 5, grades given and 18 lots staked,
Section 4, grades for south avenue,
Grades and lines for south wall of northwest extension.

PINE GROVE.

Lot 54 and lot in Section 1, staked.

COMMITTEE ON CLAIMS.

Measures of defective sidewalk on Bedford street.

COMMITTEE ON ARMORIES AND MILITARY
PROPERTY.

Survey and contour plan for extension of rifle range.
Plans for a shelter for Naval Reserve Cutter.

COMMITTEE ON STREET LIGHTS.

Location and plan of street lights on Purchase and Pleasant streets.

COMPLETION OF NEW BEDFORD AND FAIR-
HAVEN BRIDGE AND BRIDGE PARK.

Grades and lines for all work done on bridge and park,
Plans of Fish Island and Middle street.

COMMITTEE ON WHARVES.

Lines and grades for reconstruction of Taber's wharf,
Grades for repairing Rotch north wharf,
Survey and plan Taber's wharf,
Plan for Immigration Shed and staking same.

UNION STREET RAILWAY.

Lines and grades for special work at Pope's Island,
Plan of Middle and Water streets,
Location plan, the Bridge and Middle streets,
Measurements of Coggeshall street bridge.

MISCELLANEOUS.

SURVEYS.

Survey for sewer for relief of Tripp's Brook Sewer,
Counting traffic at Weld street crossing on Circus Day,
Location given for trees on Chepatchet, Lake and Jenny Lind sts.

LEVELS.

On house on Chancery street to find relation to grade.

PLANS AND PROFILES.

Plan of sewer for relief of Tripp's Brook Sewer,
Plan for extension of Grape street sewer,
Plan of Parker Street School District for principal,
Plan of drainage Turner's Court,
Plan for cut-up of land at Acushnet Station,
Plan and profile for wall, Ark Lane,
Profile of Ashland street, Robeson to Hazard,
Profile of Bellevue avenue, Brock avenue to W. French avenue,
Profile of Clara street, E. French avenue to Brock avenue,
Profile of Coffin street, west of Water street,
Profile of De Wolf, Durfee to Mt. Vernon,
Profile of Elm street, Cottage to Cedar,
Profile of Kearsarge street, Perry to Hadley,
Profile of Morgan street, west from County,
Profile of Tinkham street, Acushnet avenue to Church.

HARBOR WORK.

Survey and plan of Harbor Line, Merrill's Wharf to Belleville ave.
Line given and soundings made of Harbor Line at Manomet Mills,
Soundings made east of Bennett Mill,
Soundings made near Coggeshall Street Bridge,
Extreme low water line run, Coggeshall street to Kilburn street,
Soundings on line of extension of Washburn street sewer,
Soundings Maxfield street dock,
Harbor line run, north of bridge, on east side Fish Island,
Harbor line run at Parker's wharf,
Sounding on north side Rotch wharf,

Soundings before and after dredging at Taber's wharf,
Soundings after dredging Coffin street dock,
Extreme low water line run, Gifford to Cove street,
Location of intake at Butler Mill,
Investigation of tides in lower harbor.

BOUND STONES.

Acushnet ave., s. w. cor. of Willis. (Raised).
Acushnet ave., e. s. at angle north of Kenyon. (Raised).
Acushnet ave., w. s. at angle opposite Marvin. (Raised).
Acushnet ave., s. w. cor. of Bentley. (Raised).
Acushnet ave., n. w. cor. of Beetle. (New).
Acushnet ave., s. e. cor. of Sawyer. (Raised).
Ashland, s. e. cor. of Hazard. (Removed).
Ashland, n. e. cor. of Hazard. (New).
Belleville ave., n. w. cor. of Davis. (Raised).
Cedar, s. w. cor. of Robeson. (Raised).
Chancery, s. w. cor. of Sycamore. (New).
Coggeshall, n. s. 91 feet west of Front. (Raised).
County, s. w. cor. of Willis. (Raised).
County, n. w. cor. of Penniman. (Moved 10 ft. north to new line).
Davis, n. s. 100.12 and 190.22 west of Belleville ave. (2 lowered).
Davis, n. s. at w. l. of W. Nye's land. (Cut off to grade).
E. French ave., n. w. cor. of Ruth. (New set over old).
Fourth, s. e. cor. of Madison. (Lowered).
Front, n. w. cor. of Coggeshall. (Raised).
Front, s. e. cor. of Beetle. (Raised).
Front, n. w. cor. of Holly. (Raised).
Purchase, n. e. cor. of Logan. (Raised).
Rockdale ave., at Old Town Line, near Cove road. (Cut off below grade).
Summit, n. w. cor. of Kempton. (Raised).
W. French ave., s. w. cor. of Cove road. (Raised).

REPORT OF THE OPENINGS OF THE NEW BEDFORD AND FAIRHAVEN DRAW

For the Year Ending December 31st, 1903.

CHARLES B. SAYLES, Supt.

1903	Boats	Tow Boats	Barges	Schooners	Vessels	Openings	No. of Tons
Jan.	0	49	8	26	135	83	12,100
Feb.	2	52	16	21	147	91	23,900
Mar.	27	59	21	13	169	120	17,100
April	31	57	22	21	193	131	24,450
May	114	41	26	12	263	193	20,200
June	97	32	18	16	220	163	18,000
July	173	75	24	8	362	280	14,600
Aug.	187	75	38	5	405	305	17,500
Sept.	167	72	36	7	362	282	13,400
Oct.	129	43	20	11	274	203	9,500
Nov.	62	28	12	8	137	110	13,850
Dec.	2	41	53	4	165	100	10,650
Totals	991	624	294	152	2832	2061	195,250

OPENINGS IN 1902.

1902	1242	452	185	164	2690	2043	160,155
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DETAILS OF SEWERS CONSTRUCTED IN 1903.

STREET	LOCATION	SIZE AND MATERIAL					Total length	Greatest cut	Average cut	Greatest cut in ledge	Average cut in ledge	Cubic yards ledge	Cubic yards earth	Total cubic yards excavation	Number of manholes	RATE OF GRADE IN FEET PER 100 FT.	Cost of labor	Cost of labor per foot of length	Cost of material, Teaming, &c.	Total cost of sewer	Cost per foot of length	Ordered	Commenced	Finished	REMARKS
		8 inch	10 inch	12 inch	18 inch	24 inch																			
BY SPECIAL APPROPRIATION																									
Acushnet ave. No. 21	Bellville road south 896 ft.		430.7				430.7	11.50	10.29	.12	1.0	12	563	575	1	0.5 0.9	791.79	1.84	175.43	967.22	2.26	October 8	November 20	December 1	Cost incomplete by \$8.62
Acushnet ave. No. 22	Merrimac south 89 ft.																16.75		16.75			November 4	December 5	December 7	Unfinished, Year ends Dec. 5
Bay and Dartmouth sta.																	15.00		34.92	49.92					Remainder of cost
Belleville road	The River to Acushnet ave. sewer			2277.3												{ 2.80; 2.86; 2.08.05 }								{ Sewer laid in same	
Belleville road	The River to 220.3 ft. west of Acushnet ave. surface drain					2532.9	4810.2	11.63	8.56			2	2869	2871	4	{ 2.80; 2.86; 2.08; 1.90 }	3858.42	1.52	1603.63	8162.05	3.34	May 27	August 24	October 7	{ trench, below surface drain
Bolton road	From 222.2 ft. north of Rivet st. to Kane st.		189.0				189.0	9.00	8.37				205	205		1.40	186.00	.98	80.77	266.77	1.41	April 1	June 4	June 8	
Chepachet and Court sts.	From 100 ft. so. of Court to Palmer to 202 ft. so. of Kempton St. Chep't		2425.0				2425.0	10.48	7.13				1921	1921	3	0.3; 0.5; 0.54; 1.32	1095.57	.70	933.51	2629.08	1.08	Oct. 1, 1902	Dec. 8, 1902	May 22	
Cleveland st.	Ruth to David																267.49		41.85	309.34					Remainder of cost
Clinton st.	From 96 ft. east of, to 269 ft. west of Orchard		410.0				410.0	10.82	9.14				501	501	1	1.30; 2.32	460.26	1.09	196.70	656.96	1.55	October 8	November 2	November 10	13 ft. of old sewer lowered
Coggeshall st.	Bowditch st. west 477 ft.		506.4				506.4	15.00	11.92	5.4	1.8	21	762	783	1	0.50	1675.73	3.31	396.07	2071.80	4.09	April 9	April 21	May 7	
Collette st.	Acushnet ave. to Church st.		1570.7				1570.7	10.98	9.21	3.5	1.8	75	1801	1876	3	1.52; 1.24; 0.50	2181.25	1.39	773.53	2954.83	1.88	May 13	July 27	August 20	
Cottage st.	Robeson st. north 340 ft.		344.0	20.0	14.0		378.0	9.31	8.75				368	368	1	1.50	399.06	1.06	179.34	578.40	1.53	September 23	October 8	October 12	
Deane st.	Acushnet ave. to centre of Bowditch st.			629.0			629.0	13.40	12.85	11.4	5.5	335	777	1112	1	0.40	3452.35	5.49	809.55	4261.90	6.77	May 27	June 25	August 7	
Devoll st.	Grape st. to 50 ft. south of Allen st.		318.0				318.0	11.41	10.14				418	418	1	0.50	504.36	1.59	128.38	632.74	1.99	September 9	October 14	October 20	
Front st.	Tinkham st. to 61.5 north of Eugenia st.		580.5	300.0			880.5	9.43	8.39			4	954	958	3	0.5; 2.21	1029.34	1.17	395.45	1424.79	1.62	Oct. 8 & Nov. 4	November 10	November 24	
Maxfield st.	Liberty st. to 100 ft. west of Park st.		460.5				460.5	11.66	9.94				594	594	1	0.60	470.41	1.02	171.51	641.92	1.39	March 4	May 26	May 29	
McGurk st.	Cove st. south 720 ft.		749.0				749.0	9.35	8.43				701	701	1	0.50; 2.10	636.08	.85	295.10	931.18	1.24	May 27	June 8	June 12	
Phillips ave.	From 140 ft. west of Riverside to 50 ft. east of Belleville ave		667.7				667.7	8.58	5.73				392	392	1	0.63; 0.50; 1.32	326.84	.49	233.19	560.03	.84	June 24	August 20	August 25	
Reed st.	Court st. north 290 ft.		225.0				225.0	8.24	7.54				189	189	1	0.50; 1.88	174.38	.77	100.78	275.16	1.22	February 4	May 20	May 23	
Rockdale ave.	From 55 ft. north of Milton to Fairmount st.		917.1				917.1	9.55	9.13				935	935	1	0.854	735.98	.80	395.33	1131.31	1.23	March 26	June 1	June 8	
Ruth st.	From Cleveland st. west 125 ft.		125.0				125.0	8.40	8.18				133	133		1.58	111.50	.89	48.11	159.61	1.27	July 13	July 13	July 18	
Shawmut ave. No. 6	From Durfee st. south 200 ft.		220.0				220.0	17.12	9.15				224	224	1	0.50	213.27	.97	114.72	327.99	1.49	May 13	May 22	May 26	
Shawmut ave. No. 7	From Austin st. sewer to 210 ft. north of Austin st.		288.5				288.5	9.60	8.64				277	277	1	1.52; 0.50	265.83	.92	128.70	394.53	1.33	May 13	May 22	May 29	
Tallman st.	Belleville ave. to Acushnet ave.		776.0	134.0			910.0	11.96	7.97	3.4	1.5	44	896	940	2	1.2; 2.79; 2.6; 1.0	1167.44	1.28	430.20	1597.64	1.76	May 27	June 13	June 27	
Tinkham st.	Acushnet ave. west 262 ft.		308.0				308.0	10.56	9.70				387	387		1.85	316.72	1.03	97.19	413.91	1.34	November 12	November 30	December 4	
			11511.1	3360.3	14.0	2532.9	17418.3					493	15867	16360	28		20951.82		10764.01	31715.83					
BY GENERAL SEWER APPROPRIATION																									
Lake and Jenny Lind	Chepachet street. to 700 ft. north of Lake street		597.0	351.1			948.1	9.69	6.36				670	670	1	0.4 to 1.76	231.75	.24	24.19	255.94			May 15	May 21	Pipe furnished and cost paid by F. Wm. Oesting.
Totals			597.0	11862.2	3360.3	14.0	2532.9	18366.4				4.93	16537	17030	29		21183.57		10788.20	31971.77					

IN BOARD OF ALDERMEN,

Feb. 25, 1904.

Received, ordered printed in the City Documents and
sent down for concurrence.

D. B. LEONARD, City Clerk.

IN COMMON COUNCIL,

Feb. 25, 1904.

Concurred.

W. H. B. REMINGTON, Clerk.

1904. CITY DOCUMENT. No. 12.

Eleventh Annual Report

OF THE

Superintendent of Public Buildings

ALSO,

Inspector of Buildings

OF THE

CITY OF NEW BEDFORD, MASS.

For the Year 1903.

NEW BEDFORD :
THE A.E. COFFIN PRESS, CITY PRINTERS,
1904.

IN BOARD OF ALDERMEN,

July 27, 1904.

Received, ordered printed in the City Documents and
sent down for concurrence.

D. B. LEONARD, City Clerk.

IN COMMON COUNCIL,

July 27, 1904.

Concurred.

W. H. B. REMINGTON, Clerk.

REPORT

OF THE

Superintendent of Public Buildings.

OFFICE OF SUPERINTENDENT OF PUBLIC BUILDINGS,
NEW BEDFORD, MASS., Dec. 31, 1903.

To His Honor the Mayor and the City Council :

GENTLEMEN:—I herewith submit my eleventh annual report as Superintendent of Public Buildings, also as Inspector of Buildings.

The following named buildings were completed during the present year: At the almshouse, the new brick kitchen which was begun in August, 1902, was completed and accepted in January of this year. The woman's hospital, connected with the same institution, which was contracted for in September, 1901, was completed and accepted in May of this year. Both these buildings were erected by contract, the work being quite satisfactorily done. A description of both buildings was given in a former report.

PORTABLE SCHOOLS.

Three new portable school buildings (so called), were contracted for in March, and occupied at the beginning of the school year in September. They are of wood construction, one story high without cellar, each containing one class room; two being placed in the yard of the I. W. Benjamin school, and one in the yard of the Thomas A. Green school. The plans were made by S. C. Hunt, architect, the contractor being Francis Thorley of this city; contract price for the three buildings, (\$4,331.00).

Owing to certain portions of the work not having been in accordance with the plans and specifications, and to certain items of defective work and materials, all of which has been reported to the proper authorities, the city withholds a portion of the contract price until the matters in dispute are adjusted, as provided for in the contract.

These buildings are heated by a hot air portable furnace, placed in the class rooms; the heat is ample such as it is, but heat from a furnace placed in the class room is not the proper way to heat a school; the ventilation is defective owing to the fact that the vent ducts are heated at the wrong end, the heat being introduced at the top of the duct near the roof, instead of at the base where it would be effective; these defects were pointed out by me before the contract was let, but no attention was paid to the warning given. I also advised that the buildings be heated by steam from the main buildings; this method would be effective and less expensive; this advise was disregarded.

The city council on October 8th, ordered that a contract be made with John B. Sullivan & Son, for the erection of a fire station to be located on the southwest corner of Kempton and Reed streets, from plans made by S. C. Hunt, architect.

The building is to be constructed of common red brick, the best selected for face work, with stone cellar having cemented floor, granite base course, steps and lot curbing, door and window trimmings of Bedford, Indiana limestone, main building two stories, bell tower four stories, both have slate roofs, stable section two stories, sitting room and wagon room one story each, these have flat graveled roofs, gutters, conductors, and all roof flashings of copper.

The interior will be arranged to conform to our modern built fire stations and will be heated by steam.

The contract was executed on October 30th, the city agreeing to do the excavating. The work has not yet been commenced; the time set for completion is September 1, 1904. The contract price is (\$21,348.50). This includes a completed building, including heating, also grading, curbing and fencing the grounds, but does not include walks and driveways.

ISOLATION HOSPITAL BUILDINGS.

These consist of a group of four buildings, located about 300 feet south of the almshouse, and are of wood construction with stone cellars and granite underpinning; the arrangement consists of a central or administration building two and a half stories high, two ward buildings each one story high, one located 72 feet east and the other 72 feet west of the central building, and connected therewith by a covered corridor; also a boiler house and laundry building (detached), one story over a high basement boiler room, located 85 feet south of the central building.

The buildings are to be heated by steam, and are to have an adequate system of ventilation provided in the sick wards; the plans were made by Edgar B. Hammond, architect; the contract was awarded by the city on the 12th of November to Henry T. Bulman of this city. The

work of construction began on the 19th of November and is now in progress; the time for completion is set for June 1, 1904. The contract price is (\$27,724.00), for the buildings proper; this does not include heating and ventilating, nor walks, fences and grading.

IMMIGRATION SHED.

This structure is to be built of wood from plans made by William F. Williams, city engineer; will be located on the east end of city wharf; it is to be built under the jurisdiction of the committee on wharves. The contract for building has recently been awarded to Zebina B. Davis of this city, the contract price being (\$8,369.00); this includes a completed building, steam heat included; the building is to be completed in May, 1904.

SCHOOLHOUSE WORK.

At the Harrington school, I desire to repeat what I recommended in my last report, that is, that the further use of the exhaust fan in the tower be dispensed with because of the danger from fire. I am satisfied that good ventilation can be provided by gravity, by having the vent flues properly heated at the base of the flue with steam coils, instead of using the exhaust fan.

The supply fan in the basement is run by electric power; this power is rather expensive. Now that our increased water supply gives sufficient pressure to use water power, I would recommend that the water power be substituted; the cost of making the change would be no more than what the city pays for electric power in one year, besides, an element of danger from fire would be eliminated.

The Clark street school yard is still ungraded, and is in very bad shape; this school was completed and opened seven years ago. I have in former reports called attention to the necessity of grading, curbing and building the necessary retaining walls and fence; plans for this work were prepared by Mr. Samuel C. Hunt, architect, five years ago, and proposals for the work were received by the committee on city property; these plans are still available, on file in this office.

The school yard of the William H. Taylor school, on Brock avenue, has never been graded; the school was completed and occupied five years ago. There is no earth filling required, but the lot, curbing and walks, and grading is much needed; there is much complaint on the part of parents and others interested in the school, at the unfinished and muddy condition of the premises. I have called attention to this in former reports.

The Parker street school having been put in thorough repair as indicated in my last report, I would recommend that the school yard be graded and that new curbing and walks be provided.

GENERAL REPAIRS.

The committee on city property, and the school committee, have had the usual ordinary repairs made on different buildings in their charge, leaving the city buildings in unusually good repair.

PROPOSED NEW HIGH SCHOOL.

Mr. S. C. Hunt, architect, has prepared plans and specifications for a new high school building to be erected on the Morgan lot, on County, Court and Morgan streets; proposals for the erection and completion of the building

were received and opened on the 15th of April; eight proposals were received ranging from \$787,407.00 the highest, to \$679,225.00 the lowest.

All bids were rejected as being too high; new plans were ordered and completed with a view of cutting down the cost; proposals for building under new plans were received and opened on the 22d of December; eight proposals being received ranging from \$619,262.00 the highest, to \$509,900.00 the lowest. The lowest bids in both cases came from New Bedford contractors. Further action on the part of the city has been deferred.

CARE AND MANAGEMENT OF STEAM BOILERS.

Steam heat being used in nearly all our city buildings, it is important that the management and care of boilers and of the heating and ventilating plants in school buildings should be in intelligent hands. In some cases the business is new to the janitors in charge, and they labor under many disadvantages while becoming familiar with their work, the result being that the plant is liable to be mismanaged and improperly handled.

I believe that it would be economy for the city to employ a capable man to have full charge of the heating and ventilating plants, and all of the boilers used for heating purposes, one whose duty it would be to instruct the janitors in their work and who would do the ordinary repairs required.

CUSTODY OF PLANS OF CITY BUILDINGS.

Since the office of Superintendent of Public Buildings was established by city ordinance, some ten years ago, a full set of plans and a copy of the specifications, for all

city buildings whether erected or not, have been kept on file in this office; there are many good reasons why this should be done; the plans, etc., have frequently been found quite useful for reference purposes.

All architects employed by the city during the last ten years have, without question, furnished such plans and specifications; this year, however, the architect who made the plans for the proposed new High school building, has so far refused my request for the first set of plans and specifications, that were accepted and paid for early in the year, to be kept on file in this office.

I would suggest that the city authorities, when ordering plans in future, should make it plain that the city shall have certain rights in the ownership of such plans and specifications.

SCHEDULE OF CITY BUILDINGS.

The following tables give a schedule of buildings owned by the city, their location, when built or acquired, valuation of land and valuation of buildings.

SCHOOL BUILDINGS.

NAME OF SCHOOL	LOCATION	Year built, remodelled or enlarged or	Material	No. stories	No. rooms	Rods of land	Valuation of land	Valuation of buildings and furnishings	TOTAL
Linden street	Linden street	1843	Wood	2	4	40.25	\$5,000	\$1,100	\$6,100
Middle street	Summer and Middle sts.	1844	Brick	3	9*	117.26	10,000	25,000	35,000
Plainville	Plainville road	1846	Wood	1	1	42.91	100	1,000	1,100
North	County road, near North line	1852-1891	Wood	1	2	60	200	1,800	2,000
Parker street	Rockdale avenue	1852-1891-1902	Brick	2	12*	140.87	7,700	52,000	59,700
Canonville	Rockdale avenue	1853	Wood	2	2	40	200	1,000	1,200
Cedar street	Cedar and Maxfield sts.	1855	Wood	2	2	34.39	1,700	5,300	7,000
Dartmouth street	Dartmouth and Hickory sts.	1855-1890	Wood	2	8	60.16	3,500	13,000	17,000
Rockdale	Hathaway road	1855	Wood	1	2	50.94	100	1,000	1,100
Merrimac street	Merrimac and State sts.	1857	Brick	2	6	60.45	3,300	15,000	18,300
Fifth street	Fifth and Russell sts.	1860-1876	Brick	3	10*	65.54	6,000	30,000	36,000
High	Summer street	1876	Brick	3	10*	133.88	11,000	100,000	111,000
Acushnet avenue	Acushnet ave., near Grinnell	1878-1894	Brick	2	10	82.85	6,000	44,000	50,000
Mary B. White	Maxfield and Pleasant sts.	1881	Brick	2	4	31.37	4,300	21,000	25,300
Cedar Grove street	Cedar Grove street	1883-1892	Brick	2	15	118.75	5,000	31,000	36,000
Thompson street	Thompson street	1885	Brick	2	10*	80	4,300	33,500	37,800
Acushnet	Acushnet av., nr. Lund's cor.	1889-1900	Wood	2	4	134.80	1,700	14,000	15,700
Harrington	Court street	1889-1900	Brick	3	11*	130.13	3,000	50,000	53,000
I. W. Benjamin	Division street	1891	Brick	2	12	110.74	6,000	28,000	34,000
Sylvia Ann Howland	Pleasant and High sts.	1893-1901	Brick	2	7	51.89	9,500	55,600	65,100
Thomas A. Greene	Fourth and Madison sts.	1894	Brick	2	10	63.58	5,200	53,000	58,200
Clark street	Clark street	1897	Brick	2	8	119.54	3,500	37,000	40,500
Geo. H. Dunbar	Dunbar and Dartmouth sts.	1897	Brick	2	8	140	2,700	40,000	42,700
Phillips avenue	Phillips avenue	1897	Brick	2	8	118.08	5,500	33,000	38,500
Wm. H. Taylor	Brock avenue	1898	Brick	3	8	32.64	3,000	40,000	43,000
John H. Clifford	Coggeshall and Bowditch sts.	1901	Brick	3	12*	210.60	12,636	71,600	84,236
Robert C. Ingraham	Blackmer street	1901	Brick	3	12*	199.11	12,000	70,000	82,000
Horatio A. Kempton	Shawmut avenue	1901	Brick	2	8	142.30	4,680	43,000	47,680
Three portable school buildings	In school yards, two on Division st. and one on Madison	1903	Wood	1	1			4,331	4,331
									\$1,065,747

*Assembly hall.

FIRE STATIONS.

[illegible]

POLICE STATIONS.

[illegible]

OTHER PUBLIC BUILDINGS.

NAME	LOCATION	Year built	Material	No. stories	Rods land	Valuation of land	Valuation of building	TOTAL
City Hall	William & Pleasant st.	1887	Stone	3	101.74	\$167,000	\$40,000	\$207,000
Library Building	William & Pleasant st.	1882	Brick	2	68.75	104,000	30,000	134,000
Almshouse Property	Clark's Point	1828	Stone & Wood	3	77 acres	46,000	54,000	110,000
City Stables	Ash street	1877	Brick	1 & 2	436.93	8,400	37,000	45,400
Pumping Station and Lot	Purchase street	1866-1870	Stone	1	840.	24,000	25,000	49,000
School Committee Headquarters	William street	1846	Wood	2	24.61	5,000	4,700	9,700
Veteran Fireman's Headquarters	High and Foster sts.	1846	Wood	2	9.83	1,000	1,300	2,300
Ward Room	Fourth street	1835	Wood	1	3.82	500	650	1,150
Ward Room	Rivet street	1886	Wood	1	4.19	500	2,000	2,500
Bathing House	East French ave.	1899	Wood	1	leased land		1,700	1,700
Water Works	Lakeville	1895-1900	Brick & Wood				136,000	136,000
Miscellaneous Buildings on City Parks							35,000	35,000
City Wharves, Cemeteries, etc.								\$733,750

RECAPITULATION.

School Buildings,	\$1,055,747
Fire Stations,	179,900
Police Stations,	70,075
Other Public Buildings,	733,750
<hr/>	
Total,	\$2,039,472

I desire to express my thanks to His Honor the Mayor, and to the different committees of the City Council, and to the School Committee for their kindly co-operation and support in carrying out the work in my charge.

Respectfully submitted,

EDMUND O'KEEFE,

Supt. Public Buildings.

REPORT

OF

INSPECTOR OF BUILDINGS.

OFFICE OF INSPECTOR OF BUILDINGS,
NEW BEDFORD, MASS., Dec. 31, 1903.

BUILDING STATISTICS FOR 1903.

Total number of building permits granted during the year for new buildings, additions, alterations and repairs, was 608, at an estimated cost of \$1,984,871.00, classified as follows:

	No. Permits.	Estimated Cost.
New dwellings, (including stores and dwellings combined,)	252	\$794,700
New buildings and additions for manufacturing, business and storage purposes,	13	634,500
Buildings for religious and charitable purposes,	5	334,000
Buildings for theatrical and amusement purposes,	2	30,000
Additions, alterations and repairs to dwellings, stores, etc.,	212	98,115
Miscellaneous buildings, including barns, sheds, buildings moved, etc.,	124	33,125
	608	\$1,924,440

CITY BUILDINGS.

Isolation hospital,	\$27,724	
Portable schoolhouses,	4,331	
Alterations and repairs to schoolhouses and other city buildings,	28,375	60,431
Total,		<hr/> \$1,984,871
Number of new tenements added, including tenements in buildings altered,	578	
Number of stores added,	41	
Of the above 252 new dwellings erected during the year, 119 were erected north of Weld street, containing 295 tenements.		

CLASSIFICATION OF DWELLINGS ERECTED.

Dwellings of one tenement each,	85
“ “ two tenements “	54
“ “ three “ “	93
“ “ four “ “	15
“ “ five “ “	3
“ “ six “ “	2
	<hr/> 252

Prominent among the permits granted were the following:

Manomet Mill.
Soule Mill, addition to weave shed.
Morse Twist Drill Co., new buildings and additions.
Union St. R. R. Co., car house, Pope's Island.
Smith Bros., brewery, Coggeshall street.
Sheedy's Theatre, Purchase street.
David Duff & Son, coal handling plant, Fish Island.
So. Mass. Tel. Co., addition to exchange, Second street.
St. Anthony's Church, Acushnet avenue and Bullard street.
Mt. Carmel Church, Rivet street.
Ladies' City Mission, So. First street.
Isolation Hospital, City Farm.
Synagogue, Kenyon street.

STATISTICS OF 1902 AND 1903.

	1902	1903	
Number permits granted,	470	608	138 increase
Estimated cost,	\$1,968,840	\$1,984,871	\$16,031 increase
Buildings for manufacturing purposes,	1,160,000	634,500	525,500 decrease
Number new dwellings erected,	164	252	88 increase
Number tenements added,	354	578	224 increase

The cost of buildings for manufacturing purposes for 1902 exceeds that of 1903, the new Butler and Whitman mills being built that year, at an estimated cost of \$800,000.

STATISTICS OF PREVIOUS YEARS.

	No. permits.	Estimated Cost.	No. dwellings erected.	No. tenements added.
1893	340	\$1,800,000	151	322
1894	369	795,860	144	361
1895	554	1,301,871	201	527
1896	794	1,687,396	378	920
1897	797	1,357,395	310	699
1898	415	490,647	81	122
1899	424	708,245	79	124
1900	402	755,401	68	102
1901	446	1,099,102	161	235
1902	470	1,968,840	164	354
1903	608	1,984,871	252	578
	5,619	\$13,949,628	1,989	4,344

Thirty-eight notices were sent out by the inspector during the year for various violations of the building laws, such as unsafe chimneys, unsafe and neglected buildings, etc. Thirty-one of said cases were adjusted at the office of the inspector, and seven were brought before the committee on buildings for official action.

Section 45, Chapter 481, of the Public Statutes, Acts of 1904, provides that the inspector of buildings shall, in the month of May of each year, inspect every room of every hotel and lodging house of ten or more rooms above the second story in this city, to ascertain if the provisions of the law regarding means of escape from such rooms in case of fire, and that means of extinguishing fires are provided and complied with.

I have to report that such inspection was made in the month of May, and that I found in nearly all cases that the law was complied with, and have so reported to the Chief of State Police in Boston.

I desire again, as in previous years, to call your attention to the necessity of revising to some extent the building ordinances of the city. The necessity for doing so becomes more apparent as the city continues to grow.

I shall merely outline a few of the more important changes that I would like to see introduced in the construction of our buildings.

Good, strong foundations and underpinnings; also strong brick piers or iron columns for the support of buildings should be insisted upon.

All brick chimney flues should have an eight-inch shell, or if built with a four-inch shell should have a terra cotta or other lining. In this connection, I can say from data in my possession, that there are more fires in dwellings caused by defective chimney flues than from all other causes combined.

Where one or more families are to occupy tenements above the first story, that two flights of stairs placed as far apart as possible shall be provided to reach every story containing living or sleeping rooms, in order to make safe exits in case of fire. The necessity for this requirement has been forcibly brought out in the case of a recent fire in this city, where four persons lost their lives.

The matter has received the attention of the Committee on Buildings in the Fire Districts, to the extent that the following vote was passed at a meeting of the committee held December 28, 1898.

Voted, That all dwellings containing two or more tenements shall have not less than two inside stairways to reach every floor containing living or sleeping rooms, the stairways to be placed as far apart as practicable or as may be directed by the Inspector of Buildings.

There are certain tenement houses that are considered fire-traps in this respect. Would it not be well to stop increasing the number of such?

Wooden buildings should be placed a sufficient distance apart on adjoining lots to allow facilities for putting out fires. Where wooden buildings are allowed nearer the line than the prescribed distance, the wall next the line should be built of brick or stone, with openings, if any, in said wall to be provided with fire-proof shutters.

The erection of stables of any kind nearer than a certain limited distance to dwellings should be prohibited.

There are other questions and ideas relating to the work of the Committee on Buildings in the Fire Districts which are not here mentioned, but which will be brought before your honorable body in due time by the committee.

As will be seen by the foregoing statistics, the year 1903 was the largest building year since any record has been kept of the building operations of this city.

The number of permits granted 608, exceeded those of every year except 1896 and 1897. The new dwellings erected numbered 252, and the new tenements added 578. In 1896 and 1897, the boom years, the number of new tenements were 920 and 699 respectively.

As compared with 1902, there is an increase in every particular, except the cost of buildings for manufacturing purposes. Eighty-eight more dwellings were erected and 224 more tenements added. Of the 252 new dwellings,

119 or nearly half were erected north of Weld street.

A large amount of work, such as answering inquiries or giving advice or counsel regarding building enterprises, cannot be tabulated, and is a constantly growing factor in the proceedings of this office.

I must gratefully thank the Committee on Buildings in the Fire Districts for the able and painstaking manner in which they have advised in all matters pertaining to the work of the office.

Respectfully submitted,

EDMUND O'KEEFE,

Inspector of Buildings.

1904. CITY DOCUMENT. No. 13.

REPORT

OF THE

BOARD OF

OVERSEERS OF THE POOR

OF THE

CITY OF NEW BEDFORD

FOR THE YEAR 1903.

NEW BEDFORD, MASS.
THE A. E. COFFIN PRESS, CITY PRINTERS,
1904.

MEMBERS OF THE BOARD.

CHARLES S. PAISLER,
ALBERT H. W. CARPENTER,
WILLIAM. H. RANKIN.

OFFICERS OF THE BOARD.

CHARLES S. PAISLER,
Chairman.
ALBERT H. W. CARPENTER,
Secretary.
ELLA F. BUCKLYN,
Clerk to the Board.
AUGUSTUS A. WOOD,
Visitor to the Board.
ANTONE H. SENNA,
Interpreter to the Board.
GEORGE BARNES, M. D.,
Physician, North District.
JOSEPH A. CHAUSSE, M. D.,
Physician, South District.
Resigned April 6, 1903.
EDWARD T. TUCKER, M. D.,
Physician, South District.
From April 6, 1903.
FREEMAN H. ASHLEY,
Keeper of Almshouse.
CHARLOTTE S. ASHLEY,
Matron of Almshouse.
REV. EDWARD WILLIAMS,
Chaplain of Almshouse.
ANDREW J. ASHLEY,
Keeper of Wood and Coal Yard.

REPORT.

*To His Honor the Mayor, and the City Council of the
City of New Bedford:*

GENTLEMEN:— The Board of Overseers of the Poor submit their annual report for the fiscal year ending December 7, 1903.

The appended itemized tables, under the several heads, will give the full particulars as to the amount expended for each division.

Respectfully submitted,

CHARLES S. PAISLER,
A. H. W. CARPENTER,
W. H. RANKIN.

FINANCIAL STATEMENT.

DR.

To amount of appropriation,	\$60,000.00
To amount of special appropriation,	8,000.00
Received from state for support of paupers,	4,107.34
Received from cities and towns,	2,934.95
Received from individuals,	3,433.89
Received from sale of hay,	487 45
	<hr/>
	\$78,963.63

CR.

MONTHS	Outside Relief	Insane Hospitals and State Institut'ns	Cities and Towns	Alms-house	TOTALS
1902, December	\$2,497.48			\$1,931.31	\$4,428.79
1903, January	2,614 92	\$4,593 43	\$514.35	3,113.82	10,836 52
February	2,188.42		227.23	2,297.19	4,712 84
March	2,883.64	36.80	53.00	2,464.99	5,438 43
April	2,094.82	3,719.07	22.00	2,260.96	8,096.85
May	2,709.53		36 00	2,333.76	5,079.29
June	2,104.96		26.35	2,404.58	4,535 89
July	2,361.60	4,177.57	176.95	2,371.73	9,087.85
August	2,326.00		31.25	2,932.03	5,289.28
Sept'mb'r	2,596 84		134.15	2,176 59	4,907.58
October	2,992.92	4,133.76	110.90	2,260.89	9,498.47
November	2,324.86	63 95	71.75	3,994 33	6,454.89
	<hr/>				
	\$29,695.99	\$16,724.58	\$1,403.93	\$30,542.18	\$78,366 68

Balance to unappropriated funds, \$596.95.

EXPENDITURES IN DETAIL FOR OUTSIDE RELIEF, 1903.

MONTHLY AUDITS.	Groceries.	State Institutions and Lunatic Hospitals.	Cities and Towns.	Cash Orders.	Salaries.	Physician and Medicines	Burials.	Boots and Clothing.	Transportation.	Horse Hire.	Office Expenses	Stationery and Printing.	Board Outside.	Wood and Coal Yard.	Totals.
1902, December	\$1,145.10			\$162.75	\$304.13	\$171.05	\$151.00	\$20.78	\$15.00	\$14.00	\$8.49	\$4.13	\$190.88	\$310.17	\$2,497.48
1903, January	1,408.30	\$4,508.43	514.35	196.50	342.83	193.20	105.00	16.97	43.25		37.90	3.00	84.29	183.68	7,722.70
February	1,192.20		227.23	154.75	248.16	171.40	75.00	21.26	8.60	10.20	8.00	10.12	50.00	187.73	2,415.05
March	1,507.50	36.80	53.00	186.00	295.04	187.00	148.00	8.75	24.06	1.40	33.40	.20	151.57	340.72	2,873.44
April	991.50	3,719.07	22.00	147.50	299.14	154.72	76.00	11.48	51.96	15.35	16.55	20.75	65.00	244.87	5,835.89
May	1,048.50	36.00		160.25	340.98	179.00	91.00	8.55			18.76	27.50	59.29	775.70	2,745.33
June	1,008.50		26.35	180.00	300.08	171.39	123.00	9.75	20.00	11.25	66.39	14.70	56.84	143.06	2,131.31
July	1,114.00	4,177.57	176.95	185.00	294.59	171.81	205.00	21.21	20.00		21.73	25.01	171.43	131.82	6,716.12
August	923.50		31.25	160.00	346.51	170.70	410.00	5.50	10.90		23.36	28.20	42.88	204.45	2,357.25
September	1,222.00		134.15	133.25	295.14	170.40	71.00	22.59		14.00	12.24	4.20	62.50	589.52	2,730.99
October	1,088.25	4,133.76	110.90	192.50	342.58	177.00	42.00	27.18	20.00		27.64	7.35	57.71	1,010.71	7,237.58
November	1,033.00	63.95	71.75	169.75	344.04	195.72	160.00	24.50	20.00	8.70	6.84	41.19	176.85	124.27	2,460.56
	\$13,703.35	\$16,760.58	\$1,367.93	\$2,028.25	\$3,803.22	\$2,113.39	\$1,657.00	\$198.52	\$233.77	\$74.90	\$281.30	\$186.35	\$1,169.24	\$4,246.70	\$47,824.50

DETAILED EXPENDITURE AT THE ALMSHOUSE, 1903.

MONTHS.	Flour and Grain.	Dry Goods and Clothing.	Beef, Fish, &c., &c.	Groceries.	Shoes, Hats and Leather.	Furniture and Crockery.	Hardware.	Fuel.	Repairs on Premises.	Carriage Repairs and Blacksmithing.	Superintendent, Labor and Nursing.	Medicines.	Lighting.	Miscellaneous.	Totals.
1902, December	\$134.98	\$21.01	\$132.65	\$285.91		\$34.14	\$13.94	\$164.00	\$12.60	\$53.02	\$828.51	\$114.94	\$81.36	\$54.25	\$1,931.31
1903, January	72.21	118.43	184.76	413.44	\$64.14	19.75	89.76	849.74	173.62	31.35	826.16	62.65	107.25	100.56	3,113.82
February	149.44	49.26	48.61	348.64		20.89	42.98	237.25	139.70	114.15	796.35	99.75	73.19	176.98	2,297.19
March	180.05	46.74	169.31	263.23	48.80	17.51	81.46	472.56	56.00	22.00	809.80	132.07	64.55	100.91	2,464.99
April	248.77	58.23	131.87	304.16	7.34	2.83	10.42	319.92		143.60	839.97	104.40	57.40	12.05	2,260.96
May	176.05	77.74	73.42	613.62	13.25	52.75	52.28	199.74	30.85	66.70	817.28	96.09	49.16	15.33	2,383.76
June	129.15	48.32		583.83	19.50	64.37	28.31	161.58	2.20	248.00	939.05	96.95	48.72	34.60	2,404.58
July	88.50	122.12	199.34	249.12	47.18	245.51	39.65	144.32	81.76	42.45	884.33	135.20	41.55	50.70	2,371.73
August	39.80	79.20	93.07	462.58		336.05	26.03	405.13	105.55	229.54	872.03	166.78	51.37	64.90	2,482.03
September	94.01	55.97	110.62	268.85	32.75	158.31	18.28	13.50	81.60	153.87	879.23	133.25	58.48	117.87	2,176.59
October	116.00	38.92	114.25	488.58	32.25	36.78	152.79	13.50	54.16	10.15	907.95	66.23		229.33	2,260.89
November	191.54	150.36	94.96	487.39	29.50	80.67	92.14	362.32	732.84	271.00	927.28	157.61	83.57	283.15	3,994.33
Totals	\$1,620.50	\$866.30	\$1,352.86	\$4,769.35	\$294.71	\$1,069.56	\$648.04	\$3,843.56	\$1,520.38	\$1,385.83	\$10,347.94	\$1,365.92	\$716.60	\$1,240.63	\$80,542.18

STATISTICS OF OUTSIDE RELIEF.

Gross cost of persons outside of almshouse,	\$47,824.50
Receipts from various sources,	10,963.63
Amount paid for persons in State Hospitals and in other cities and towns chargeable to this city,	\$18,128.51
Number of families aided in 1903,	546
" " settlement here,	356
" " " elsewhere,	83
" " State paupers,	107
Number of persons aided in 1903,	1,460
" " settlement here,	890
" " " elsewhere,	196
" " State paupers,	374
Average cost to each family yearly,	\$34.30
" " " person yearly,	12 83

TRANSPORTATION.

Number of persons sent to their homes,	45
" " " " State Almshouse,	59

BURIALS.

Males, 91; females, 71,	162
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INSANE.

Number of insane at hospital during the year : males, 61 ; females, 63,	124
Remaining at city expense, Dec. 1, 1902 :	
At Taunton Insane Hospital,	64
At Medfield " "	21
At Westborough " "	3
At Worcester " "	1
At Massachusetts School for Feeble Minded,	5
At " " " Epileptics,	4
At State Farm Insane Hospital,	1

PAUPERS AIDED ELSEWHERE,

But having settlement here, (exclusive of the insane) families 28 ;
persons, 52.

Amount paid for their support in 1903, \$1,367.93

ALMSHOUSE REGISTER.

Number remaining November 30, 1902, 81

MONTHS	ADMITTED	DISCHARGED	REMAINING
1902, December	13	13	81
1903, January	8	3	86
February	15	14	87
March	8	11	84
April	10	10	84
May	14	7	91
June	5	11	85
July	12	10	87
August	8	10	85
September	10	7	88
October	13	7	94
November	15	5	104
Totals	131	108	1,056

Whole number of inmates during the year,	212
Discharged during the year,	108
Remaining Nov. 30, 1903,	104
Average monthly number,	88

PRODUCE OF THE CITY FARM, 1903.

Potatoes	700 bushels
Onions	450 bushels
Squash	7,000 pounds
Turnips	250 bushels
Beets	30,000 pounds
Cabbage	6,000 head
Sweet Corn	5 acres
String Beans	20 bushels
Peas	20 bushels
Tomatoes	200 bushels
Celery	15,000 plants
Cucumbers	20 bushels
Lettuce	250 plants
Parsnips	6 bushels
Rye Grain	46 bushels
Fodder Corn	3 tons
Barley	39 bushels
Barley Fodder	2 tons
Hay	150 tons
Straw	4 tons
Fowl	150 lbs.
Milk	40,150 quarts

REPORT OF THE PHYSICIAN.
OF THE
NORTH DISTRICT
TO THE
BOARD OF OVERSEERS OF THE POOR.

GENTLEMEN:—I have made during the year ending December 7, 1903, 932 house visits, received 236 office calls and visited the almshouse 55 times; births 10, deaths 23.

Respectfully submitted,

GEORGE BARNES, M. D.

REPORT OF THE PHYSICIAN
OF THE
SOUTH DISTRICT
TO THE
BOARD OF OVERSEERS OF THE POOR.

GENTLEMEN:— I have made during the year ending December 7, 1903, 568 house visits, received 114 office calls and visited almshouse 75 times; births 5, deaths 9.

Respectfully submitted,

EDWARD T. TUCKER, M. D.

The following report by Joseph A. Chausse, M. D. who served from January 5, 1903 to time of resignation, April 6, 1903, is hereby given:— 174 house calls, 19 office calls and visited almshouse 11 times. No births, two deaths.

IN BOARD OF ALDERMEN,

May 26, 1904.

Received, ordered printed in the City Documents and
sent down for concurrence.

D. B. LEONARD, City Clerk.

IN COMMON COUNCIL,

May 26, 1904.

Concurred.

W. H. B. REMINGTON, Clerk.

1904. CITY DOCUMENT. No. 14.

Tenth Annual Report

OF THE

DEPARTMENT OF PARKS

OF THE

CITY OF NEW BEDFORD, MASS.

For the Year 1903.

NEW BEDFORD :
THE A. E. COFFIN PRESS, CITY PRINTERS,
1904.

IN BOARD OF ALDERMEN,

February 25, 1904.

Received, ordered printed in the City Documents and
sent down for concurrence.

D. B. LEONARD, City Clerk.

IN COMMON COUNCIL,

February 25, 1904.

Concurred.

W. H. B. REMINGTON, Clerk.

BOARD OF PARK COMMISSIONERS.

1903-1904.

JAMES E. MOORE,
SAMUEL P. RICHMOND,
OBED C. NYE,
ERNEST A. WHEATON,
CHARLES T. SMITH.

OFFICERS.

CHAIRMAN,
JAMES E. MOORE.

SECRETARY,
ERNEST A. WHEATON.

GENERAL SUPERINTENDENT,
THOMAS W. COOK.

CONSULTING ENGINEER,
W. F. WILLIAMS, CITY ENGINEER.

PARK AREAS.

Brooklawn Park	91.91 acres
Buttonwood Park	62.36 acres
Hazlewood Park	28.00 acres
Bridge Park	1.17 acres
Grove Park	.93 acres
Common	7.43 acres
Triangle Park	.16 acres
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Total	191.96 acres

REPORT.

CITY OF NEW BEDFORD,
OFFICE OF PARK COMMISSIONERS,
MASONIC BUILDING.

December 1st, 1903.

*To His Honor the Mayor and the City Council of the
City of New Bedford, Mass.*

GENTLEMEN: — In conformity with Chapter 154, Section 12, of the Acts of the Legislature of the Commonwealth of Massachusetts, approved April 18, 1882, the Board of Park Commissioners of the City of New Bedford has the honor to herewith submit a report of its doings, including a detailed statement of all receipts, expenditures and liabilities for the year ending November 30, 1903.

The experience of the past year has abundantly confirmed our opinion of the wisdom of the Legislature in passing laws whereby our citizens might avail themselves by an expression of their will through the ballot box of all the benefits and advantages which have accrued to them through a system of public parks. The people wanted them and adopted the permanent system devised by their representatives, with the necessary burdens, but with the far surpassing results in the prospective healthfulness and happiness of each suc-

ceeding generation. It is but eleven years since this board assumed its duties without other compensation than that derived from congenial public work and the gratification of an appreciative public. Yet, each recurring season confirms us in the belief that no other equal expenditure redounds more to the benefit of our community, unless perhaps it be the amount paid for other educational purposes.

Such has been the increased appreciation by the general public of the purpose for which the parks have been established, that few now cavil at the necessary burdens of taxation for their support. Nor would it now be possible to secure any action whereby the parks which we now possess should be sold and the proceeds turned into the public treasury, even at their increased value. In the most inexpensive way they meet the popular demand for recreation, rest, and the gratification of the love for the beautiful in nature. The older parks, especially, are resorted to more frequently and by increasing numbers of our citizens to their advantage in health and cheerfulness and the development of civic pride. The people know that the parks are theirs for the fullest enjoyment, and they take pride in them.

Lately indeed, in view of the magnitude of expenses for other purposes, it has been thoughtlessly suggested that the city should forego making its annual appropriations for park purposes. But the Legislature intended that our parks, when once established, should continue their beneficent influences through all times, that succeeding generations might not be deprived of their advantages through the cupidity of some, or the specious plea of economy of others who might acquire municipal power. Section 11 of the Acts 7, 1882, employs the following forcible language :— “Land taken for or held as a park by cities and towns under the provisions of this chapter, shall be forever kept open and

maintained as public parks." They cannot be dispensed with, nor can they be neglected, for their maintenance implies care and necessary outlay at the expense of tax payers. Our system of parks is peculiarly adapted by area and location to meet the wants of the laboring classes, who constitute such a large portion of our increasing population. They may readily resort, either by trolley car or on foot, to some park not far from their homes, and find repose, retirement, rest and seclusion among the attractions of nature while they release their offspring to enjoy their childish amusements in unrestrained liberty. We have no large and costly parks adapted for the use of carriages or maintained at a considerable distance from our city for the pleasure mainly of those who may indulge in driving. For that reason our parks are more indispensable to our people than those more costly and less rural are to the inhabitants of other cities.

Parks and play-grounds are incidents of municipal growth, and their development is in no slight degree an index to the progress in civilization in any given locality. Growth or development must be accompanied with corresponding expense. This was apparent to the statemen who so framed the law that the burdens of taxation necessary for the acquisition of land should not fall upon a single generation, but by the issuing of bonds from time to time as each succeeding addition to park area or each important improvement of a permanent character is made, the pecuniary burden is distributed over a series of years. They are not intended to add materially to ordinary taxation. They are investments for the general welfare of the community, and like all real estate, they increase in value with the increase of population. They even increase the value of every rod of land in their vicinity, thus increasing the valuation upon which the taxes are raised.

Even such pecuniary considerations should be subordinate to that of the health of our citizens. Disease is expensive as well as disagreeable. Many diseases are a menace to the general public. Those of the poor increase public expenditures. There are two strikingly significant facts which have been recently noted — the opening and dedication of a play-ground (Seward Park) in New York City at a cost of two millions of dollars, and the recent lowering of the death rate in that cosmopolis to a figure never before paralleled in any large city in the world. The latter is not a consequence of the former, but is an inevitable result of bringing sunlight, fresh air and cheerfulness into various localities that were overcrowded with population where childhood found no joys in life. It has cost something to repair the omissions and neglect of past generations, but New York is the richer for her expenditure to benefit her entire community. It is extremely gratifying to cite this confirmation of the statement made in our report only two years since, as to the hygienic influence of parks and play-grounds.

In the twelve years since our park expenses commenced, we have acquired only about two hundred acres of land, instead of some four hundred estimated, according to park statistics as advisable for a population as great as ours; we have only expended about thirty-six cents per capita annually for every detail of cost, even including the real estate, the largest item, as a permanent investment constantly increasing in value. Omitting that principal expense, we have annually expended per capita, on an average for twelve years, but about twenty-two cents, while other cities have not been accused of municipal extravagance who have expended for annual maintenance of their parks more than three times such sum per capita. We have preferably presented this item of municipal expenditure in both aspects

as it relates to a percentage on property tax valuation, and to that of individual inhabitant, as it is obvious that the expense for park maintenance must so vary in each locality that there can, from the nature of the case, be no uniform rule for the guidance of your board. Within the last twenty years, since the care of parks and play-grounds first attracted general attention, there has been collected a mass of data and tabulated statistics, which in their final analysis, furnish information of a valuable character as founded upon expert experience. Yet, each park and play-ground is so varied as to its location, area, surface, soil and adaption to special uses, that each board or superintendent is forced to rely upon their or his best judgment, formed with a proper sense of responsibility to the public whose servant each park official is. There cannot be even an approximate estimate made per acre. The 1,600 acres included in the park system of Lynn may be temporarily neglected without destroying the chief usefulness of a reservation of the water shed and natural reservoir of the city's water supply; those of Cleveland and Springfield, New York, Brooklyn and Philadelphia may also possibly permit of diminished expenditure of maintenance at times, for they are laid out with driveways, the surface repairs of which may possibly be postponed without serious detriment and loss. On the other hand, our parks have few carriage ways and are mainly resorted to by pedestrians. The walks must be kept in constant repair; the lawns, the flower beds and shrubbery need daily attendance. To suffer them to be neglected would render them unsightly and occasion increased expense. There has never been a sinecure position for any park official or employe, nor is there any supernumerary in its service. All our expenditures have been made with a due regard to the economical use of the public funds entrusted to us to secure the best results that could be

obtained from such scanty outlay. It should not be overlooked that 75 per cent. of the expenditures made by us, exclusive of the cost of land, has been for the labor of our fellow citizens, and finds its distribution in our local channels of trade. Thus, those that labor under our supervision are working to increase the healthfulness and happiness of the community, and to render that community attractive and progressive, as well as to support their own families.

Our parks deserve more attention from the general public. There are many persons in our community who feel no personal need for either the recreative influences nor for the local attractions of our parks. Their homes are surrounded with floral and sylvan beauty, and they can at will seek points in our vicinity, rich in picturesque and attractive in scenery.

Their lives are spent amid sunshine, pure air and a profusion of objects of natural beauty. They do not cavil at annual appropriations for public parks, for they do not regard them as superfluous. They freely admit the force of every argument advanced in support of a system which tends so strongly to the amelioration of the condition of the great masses of the population of our cities. They may know the name and location of each park, but they really know nothing of its characteristics, or its possibilities for improvement or development.

A moment's reflection will convince them that a rapidly growing city cannot have a completely finished system of parks in a few years through a series of scanty appropriations and spasmodic efforts. As the city increases in population, constant greater expenditures become a necessity. Tension is consequently felt in every department of municipal administration, and the statutory limit of taxation and indebtedness constrains the authorities to minimize appropriations for park purposes so as to meet expenses of an apparently more

vital character. At such times comes the opportunity for those who have the interests of the city and humanity at heart to supplement from their private benefactions the efforts of your board to benefit the public.

In other cities, even, the area of the parks has often been notably enlarged by some municipal gift of land, which secures an honorable fame for the donors and confers to the latest time untold benefit to coming generations. Others add specimens to the zoological department; others still the needed buildings for band stands, shelters, floats for aquatic sports, or boats, gymnastic apparatus or other means for amusement; and others still, sylvan ornaments, statuary and rustic chairs. Surely, in a city like ours, which has gained a proud place for such civic usefulness as the founding of the Arnold Arboretum and its own public library, there can be little likelihood of our present suggestions remaining unheeded.

BROOKLAWN PARK.

Our expenditures for maintenance of this park are quite uniform from year to year. It seems to be the most popular resort in summer. This is not altogether due to the band concerts which have been so attractive. It was purchased after having been, for many years, the home of that lover of nature, and New Bedford's historian, Daniel Ricketson, who enjoyed rambling among its groves, listening to their songsters, glorying in the ever-changing face of nature and finding inspiration in the beauty of his surroundings for the poetry to which his pen has given form. It is no wonder that hither came Thoreau and Emerson and Channing as his guests. It will always remain a beautiful spot, and no one, even unfamiliar with its past, can lounge

under the shade of its trees, or linger upon its lawns at the close of day, without feeling the same gentle influences that have found expression by the philosophers and poets of the past. The former mansion of New Bedford's historian still remains, and even the cabin which he styled his "shack," where he was wont to resort for quiet thought and literary labor. Measures should be taken for their careful preservation as interesting historical relics, and we have proposed to mark them by some appropriate tablet.

During the past year a number of our citizens, under the associated name of the Union League, preferred the following request:—

OFFICE OF PRESIDENT,

August 19th, 1903.

THOMAS W. COOK, Superintendent,

BOARD PARK COMMISSIONERS.

DEAR SIR : — At or about the time of the decease of the late Daniel Ricketson, it was suggested at a meeting of the Union League, that in view of his standing as a philanthropist and a man of letters, it would be appropriate for the city to place upon his late residence at Brooklawn Park, a tablet, which, while it commemorated Mr. Ricketson as a man, would also preserve from oblivion the story of that home. It was a haven of refuge for the fugitive slave, and a Mecca for the lovers of liberty all over the North. We believe such a tablet, with its record of the historical associations which has made the house famous, or some other suitable memorial, would not only add to the interest and attractiveness of Brooklawn Park, but would also have the approval of our citizens. We commend the suggestion to your favorable consideration.

Yours respectfully,

EMANUEL SULLAVOU,

President Union League.

A critical examination of the writings of Daniel Ricketson fails to reveal any claim on his part that he was engaged in the "anti-slavery cause," other than in passive attendance upon some of the annual meetings of the opponents of slavery and a private aversion to that institution. But he never became prominent as a champion for its abolition. Nor is it known that he made any sacrifices or incurred any personal risk on account of his connection with the abolitionists of his time, or rendered aid or shelter to a single fugitive from slavery. It was therefore thought best by your board that there should be no provision of history as might follow from granting the prayer of the petitioners.

COMMON.

Though this popular resort is small, it needs the same constant annual attention and expenditure. The soil in some portions of its surface is so thin and light that in a slightly dry season the grass withers for lack of sufficient moisture. We purpose making this needed improvement whenever the appropriations for improvements shall be adequate. A portion of the Common was formerly resorted to as a play-ground before the erection of the soldiers' and sailors' monument, and its subsequent improvement by the extension of Pleasant street, and laying out walks and planting trees, shrubbery, and denoting plats near the monument for ornamental gardening. Since that time the population north of the Common has more than doubled, and there is no fitting place to be found for field sports for our children and youth without their trespassing upon private property. Our experience last year with the public play-ground at Grove Park leads us to again call your attention to the great need for the establishment of other play-grounds in the vicinity of the most populous parts of our city.

BUTTONWOOD PARK.

A considerable permanent improvement has been effected this year in the construction of the roadway which serves to dam the skating pond. It was rendered necessary by the freshet that carried away the old dam. Aside from this work, no great expense has been incurred in making improvements in accordance with the original plans adopted for this park. The expenses for maintenance have averaged about the same for several years.

HAZELWOOD PARK.

As this is the latest acquisition to our system of parks, more attention has been given to the preparation of its surface for park purposes, with a view to render its groves accessible and its lawns more inviting. It has not thus far proved as attractive as the older parks. It is not adapted for field sports, either in summer or winter, as its location does not include level grounds large enough to afford the necessary room for games of various kinds. It is a charming resort for seclusion from the noise and bustle of a manufacturing district. It affords some beautiful views over the waters of the Cove, and its proximity to the seashore renders the walks about the Point inviting. In view of preserving the shore line adjacent to the west entrance of this park, we acquired as much land as our appropriation would permit at the present time, but we would urge upon your favorable consideration the expediency of purchasing additional portions of the shore at as early a date as the municipal finances will justify. We propose to render this strip of shore as attractive as possible with the means at our command.

Park Ways.

As you are aware from our present and previous reports, the parks have their respective peculiar attractions, and while they are maintained for the enjoyment and benefit of all, they are resorted to mainly by those whose lives are spent in arduous toil and who must content themselves with an adjacent park, reached by a single trolley fare. The time has come in the city's growth when these parks should be connected by a series of drive-ways under the care and control of this board, so that our citizens may make the circuit of our parks in succession. This step would change some spots now unsightly, into places agreeable and attractive, and preserve them to the public for all time. We deem it our duty to draw public attention to this subject, in the hope that favorable opportunities at present available, may not be overlooked.

It is apparent to the most casual observer that our parks are a source of great and increasing revenue to the Street Railway Companies. These companies should, if possible, do their share in developing the use of the parks ;

arrangements for transportation should be adequate, especially on holidays and on Sundays, to carry all who may desire to avail themselves of the trolley cars. This would be greatly in the interest of the Company, and it is worthy of investigation, whether an arrangement cannot be effected between the City and the Company, whereby for a single fare a return ticket may be issued to every person resorting to one of the parks.

Respectfully submitted,

JAMES E. MOORE,
S. P. RICHMOND,
OBED C. NYE,
ERNEST A. WHEATON,
CHARLES T. SMITH,

Park Commissioners.

Superintendent's Report.

To the Honorable Board of Park Commissioners :

GENTLEMEN :—

I have the honor to present, for your consideration, my fourth annual report of the maintenance and improvements of the parks during the year ending November 30, 1903.

The interest of the public in the parks has not at all abated, and the satisfaction and enthusiasm which is manifested by them, leads me to believe that they are growing in the public esteem, and that any reasonable expenditures made for them will receive the cordial sanction of the taxpayer, who has to sustain the expense of them. While no great outlay has been made for improvements and the work uneventful, yet the activity of the department in keeping the parks up to their present condition, affords good ground for continued effort and congratulation. That in a city like ours, the need of well

kept parks is advantageous to both the moral and physical well-being of the community, has become a settled conviction in the minds of all thinking people, and where once appropriations were made for them by the city and town governments in a limited degree, now they are provided for more liberally as they plainly see the great desire and necessity for them. Small areas for park purposes should be provided and maintained in all the manufacturing parts of our city, so that the workmen may not, after their day's work is over, be obliged to travel a long distance to reach a large park to rest and enjoy the outdoor, health-giving rest and recreation, which, by the nature of their employment deprives them of.

After being shut up in a factory all day, they have not the time or inclination to travel far to find that opportunity; but with small areas provided with seats or athletic apparatus in different parts of the city, they could find enjoyment there, rather than seeking it in places less conducive to the welfare of the city, their families or themselves.

A writer to the *Tribune*, New York, alluding to the terrible accident to the Steamer *General Slocum*, where over a thousand lives were lost, says:—“The recent appalling disaster should teach us many profitable lessons.

It strongly emphasizes certain urgent needs hitherto overlooked by our municipal authorities. In summer, millions of children are unnecessarily taken on long, uncomfortable excursions to get fresh air and a glimpse of the country. This want should be supplied by small parks and recreation piers, scattered everywhere throughout the thickly populated sections of the city.

The myriads of little ones in our midst should have pure atmosphere and the cool sea breezes, which can so easily be furnished on the tide-water stretches surrounding the lower portion of the metropolis on every side. Little inland parks, ornamented by shade trees and beautified by green lawns, where all will be permitted to enjoy alike the soft, verdant turf and the intervening pathways, and where the obnoxious sign of "Keep off the grass" shall be unknown, should be found on every other block in the congested districts of the city. In a few words, we should have the country right here with us, and citizens should not be forced to seek it outside the limits of our municipality. And there is much sound sense in the argument. Make the parks for the people.

Your honorable board cannot confine yourselves to the mere duty of maintaining the property in your charge, but you are confronted with what to you, I apprehend, is a

pleasure as well as a duty, not only of park maintenance — but improvement and development. You are not to lose sight of, nor should you allow our people to lose sight of the fact that our park system is as yet incomplete and susceptible of great improvement. But for the time since the park system was adopted, most satisfactory results have been obtained, and while nature has done something for them, their present commendable condition is not altogether due to that source. Largely it is due to your able management and love of labor, which you never seem to tire of manifesting.

To live with the parks as you and I do, and intelligently comprehend the improvements already provided, you can easily realize how much more can be done, and how much of their area has been left untouched awaiting favorable financial opportunity. The visitors to the parks are unquestionably enthusiastic in their whole development, but no more so than your honorable body, whose whole heart seems to be in the work entrusted to you

When we speak of our beautiful city and think of it as ours, and point it out as a city set upon a hill which cannot be hid, the public schools, libraries and other means of education, the benevolent and charitable institutions, its commerce, its manufacture and mechanical

industries, and of more recent date its parks, make it apparent that we cannot too vaingloriously boast of a city which will justify the pride of its citizens in having a city attractive and beautiful. Let us have a city -- good for the wage worker as well as the brain worker. And among the many good things necessary for such a condition is good parks, well developed and maintained.

Let us have them !

Our park system has been created since the franchises were granted, giving our various trolley railroads the privilege of using the public streets and highways. There can be no question that the establishment of our parks in various parts of the municipal limits has materially increased the patronage of the quasi-public corporations, and thereby not only enhanced the value of the franchise, but has enabled the stockholders in such corporations to participate in regular dividends. The question naturally arises whether special advantages should accrue to such corporations without an equitable participation in the expense of maintaining our parks as centres of popular resort. Perhaps it may not be practicable for our municipal government to impose any additional taxation to be turned into special appropriations for the parks, but there can hardly be any question, at least, in the original

granting of such franchise in the future provision can be made for a round fare to and from the parks, so that those resorting to the parks could be benefited by a reduced fare; and in the case of existing franchises, further terms for the public benefit may be imposed, so that such corporations may share with the community the sums drawn from such increase of travel to the parks.

The subject certainly deserves the careful consideration of the city government. Our manufacturing interests have been extending during the past year, and our population increased, according to the most recent statistics, compiled by Messrs. Sanford and Kelley. We are prosperous and in condition to support our parks in a creditable manner. We are the second in rank among the great centres of textile industry. There were added to our number of spindles, 92,000 during the past year, and to our looms, 32,561. The four recently built mills have enlarged the number of employes to 17,441, and our total population to 75,061, while during the year \$1,100,000 in value has been added to the cotton industry alone.

We feel justified in expecting that the parks will be, in a corresponding degree, patronized by the public and their interests fostered by our city government.

It is no less a matter of congratulation with the public than it is a matter of justice that I officially bear witness to the constant interest shown by heads of different departments of our city government in the improvements which it has been my duty and pleasure, under the direction of the Park Commissioners, to make in the development of our park system. Our public spirited mayor has, from the initial steps in securing adequate legislation to the present time, manifested a lively interest in such development, and I have at all times felt secure of his approbation and hearty co-operation in every measure to increase the public interest in measures designed to improve the conditions of our large contingent of day laborers, to whom our parks are a special boon, and for whose benefit a sound statesmanship has sanctioned the legislation creating our parks.

I feel under obligation for many facilities furnished by the superintendent of streets, Mr. C. F. Lawton, who has not only placed at my timely disposition the mechanical resources of his department, but has given our board and myself the benefit of his enlarged experience in many ways. This cordial co-operation has enabled me to effect a greater economy in our expenditures, and promoted a greater efficiency in our operations.

Likewise, I have at various times availed myself of the courtesy of our city engineer, Mr. W. F. Williams, who has cheerfully co-operated with me in some perplexing emergencies, in the solution of which I have needed the accuracy and skill of a civil engineer.

Brooklawn Park.

Nothing of importance in the way of improvements has been made here the past year, the work upon the park being confined to its proper care and maintenance, and at all times it has been in a neat and orderly condition. It has been a favorite resort for excursionists, Sunday Schools, and both small and large parties from neighboring cities and towns, as well as our own city, who desired to pass a day in a beautiful and well conditioned place. The band concerts on Sunday afternoons have continued to be attractive, and thousands of people have enjoyed the delightful music. The park is well equipped with shade trees, and visitors can at all times find a cool and shady place for rest and

retirement. This park is patronized by countless children, who find the many attractions for them most desirable. The little pond, with its handsome swan and ducks, always claims a large share of the attention of visitors, and is constantly surrounded by an admiring throng.

There are a number of improvements that can be suggested which would add to the attractiveness of the park, but would necessitate quite an outlay, and which I would earnestly recommend when the finances of the department warrant it. Nature has done a great deal for the place, and, with the exception of Hazelwood Park, is the finest natural park we have. The irregularity of its topography presents many beautiful views, and would seem to indicate that its selection and adoption for park purposes was highly judicious. But Acushnet avenue should not have marked its eastern boundary; it should have continued to the river, which would have, by its hills and slopes and water front, made an ideal park, as nature has been prodigal in its gifts to that vicinity, and the wisdom of providing for the needs and requirements of a fast growing and populous city would have soon been apparent, and the popular sentiment would have been voiced by public approval.

A fine herd of elk are among the attractions of the park, and are much admired; also the collection of smaller animals afford much amusement and interest to the visitors, particularly the children.

Aside from improvements, Brooklawn calls for less expenditures in proportion to its area than the other park. But the desirability of a new bear pit and new cages for animals is very apparent, as also the demand for a pond which would accommodate in winter the large number of persons who enjoy skating, who now have to go to Buttonwood or outside the city limits. Brooklawn Park is an ornament to our city and park system, and is fully appreciated by the people.

Buttonwood The new work done upon this park
Park. the past season consisted mainly of
completing the road from Rockdale
avenue to Brownell avenue. About 1800 cubic yards
of gravel were used and covered with crusher screenings,
making a very satisfactory road. On the grass plots
running parallel with the road, one hundred pin oaks

(2. palustris) were set out, which will make in time a most beautiful avenue; also a number of horse chestnuts (*Aesculus*) and Sinko (*Salisburia*) trees were planted about the park, all of which are thriving nicely. The winter furnished the usual sport of skating, and was enjoyed by nearly forty thousand persons. Every attention was paid to the care and comfort of the skaters. With competent help in the skating house and officers upon the pond, the visitors seemed to greatly enjoy the provisions made by the department for their safety and enjoyment. But few accidents occurred, and those were of minor importance.

The base ball field was occupied daily during the season, and the two diamonds were found to be all that the most exacting players could wish, and thousands of people who delight in the game thronged to the park and enjoyed the really many good games that were offered.

The purchase of the land belonging to Mrs. Julia E. Haskell, to the north of the park and extending to Kempton street, was wise and timely, and will afford in the future development of the park an opportunity for a splendid approach to the park, and with the additional purchase of a small tract which should have

been acquired with the Haskell property, a beautiful drive completely around the pond could be made, connecting with the forest drive and all the other roads through the park.

It has been gratifying to notice the increasing popularity of this park as a place of public resort. At the time of its acquirement many questioned the possibility of its ultimate adaptation for recreation and rest, and yet the plans suggested by the landscape experts employed by the City have so far been carried out that this park possesses advantages for enjoyment by an increased number of the public which are not characteristic of the other parks. It is especially adapted to please those who seek aquatic and field sports in summer, while in common with the other parks it lends itself favorably for laying out and constructing pleasant driveways, footpaths and zoological collections. It is unique in being favored with a supply of water for skating in winter as well as boating in summer. The water of the lakelet not only enlivens the general landscape, but cools the atmosphere to an agreeable temperature during the heated term, and invites our adult population to linger amid the youth who resort to the park for athletic contest and physical

development. Its proximity to the city's centre of population renders it easy of access by a large number without dependence upon the trolley cars. Yet larger numbers of our people from the extremities of the City would resort to this park if a better system of street car service was available. Strong representations have been made to the Corporation of the desirability of better accommodation for the visitors to the park, but as yet they have proved unavailing. The improvements originally contemplated have not all been effected, but so far as they have been carried out they have met with popular favor and have largely contributed to the increased gratification of our working population. As I have stated in previous reports, all park areas are not susceptible of adaptation to a single plan of preparation and improvement, nor can any area be converted, without care, labor and expense, from an unattractive waste into a tract which shall combine the beauties of nature with the attractions which the level turf, the faultless tennis court or well kept base ball field has for the lovers of the sports. Until these plans shall be fully carried out annual appropriations must be made, and the improvements effected from year to year will eventually give us a park which shall

share equally with the other parks the public favor. All will find here something interesting to call them here from their daily confinement and often their cheerless homes. The children can freely play over the green turf or watch the pranks of animals in the cages, or find pleasureable excitement in the swings; the youth will be attracted to the diamond or the boats as their fancy may dictate, and the perfect liberty that each shall feel in the park, given over almost absolutely for individual enjoyment and entirely free from turbulence or disorder, will render the scene so attractive that brain workers will gladly escape from the office and counting house to feel the refreshing influence and gain increased mental power

Financial Report.

NEW BEDFORD, Nov. 30, 1903.

To the Board of Park Commissioners :

GENTLEMEN :— I have the honor to submit the tenth annual report of the receipts and expenditures of the Department of Parks for the year ending Nov. 30, 1903.

STATEMENT OF PARK EXPENDITURES.

COMPARATIVE STATEMENT.

1892.....	\$77,936.87
1893.....	5,734.79
1894.....	24,458.95
1895.....	21,321.17
1896.....	10,054.26
1897.....	14,834.89
1898.....	20,620.70
1899.....	18,879.33
1900.....	20,581.53
1901.....	51,011.63
1902.....	43,503.17
1903.....	42,042.33
	<hr/>
	\$350,979.62

ITEMIZED STATEMENT — 1892-1903.

Buttonwood.....	\$117,859.57
Brooklawn	104,462.90
Common.....	48,428.66
Marine	8,546.16
City Hall.....	615.25
Triangle.....	960.87
Grove.....	10,380.77
Pine	632.58
Hazlewood	44,856.46
Office	14,236.40
	<hr/>
	\$350,9796 2

FINANCIAL STATEMENT FOR THE YEAR 1903.

DR.

Buttonwood Park.....	\$17,592.30
Brooklawn Park.....	8,171.94
Common	5,726.52
Triangle Park	50.00
Hazlewood Park.....	6,385.67
Grove	922.49
Office	3,193.41
Unexpended.....	4.67
	<hr/>
	\$42,047.00

CR.

Appropriations	\$42,000.00
Credits.....	47.00
	<hr/>
	\$42,047.00

MAINTENANCE OF BUTTONWOOD PARK.

Dr.

Ass't Supt.....	\$791.00
Police.....	1,210.25
Labor.....	4,810.58
Skating labor.....	317.75
Road labor.....	2,873.14
Improvements.....	1,298.72
Repairs.....	705.13
Supplies.....	501.01
Lighting.....	218.51
Flowers, trees, shrubs.....	476.21
Animal supplies.....	1,032.79
Dressing.....	157.21
Purchase of land.....	3,200.00
	<hr/>
	\$17,592.30

Cr.

Net expenditures.....	<u>\$17,592.30</u>
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MAINTENANCE OF BROOKLAWN PARK.

Dr.

Ass't Supt.....	\$914.42
Police.....	1,476.50
Labor.....	4,009.50
Supply.....	256.00
Animal supply.....	401.76
New animals.....	233.75
Repairs.....	483.22
Dressing.....	134.66
Plants.....	110.86
Maintenance.....	62.31
Improvements.....	88.96
	<hr/>
	\$8,171.94

Cr.

Net expenditures.....	<u>\$8,171.94</u>
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MAINTENANCE OF HAZELWOOD PARK.

DR.

Ass't Supt.....	\$742.00
Police.....	294.00
Labor.....	2,108.97
Supplies.....	44.96
Repairs.....	496.86
Rent.....	109.37
Shrubs and seed.....	133.75
Improvements....	221.89
Dressing	233.87
New land, shore property.....	2,000.00
	<hr/>
	\$6,385.67

CR.

Net expenditures	\$6,385.67
	<hr/>

MAINTENANCE OF GROVE PARK.

DR.

Labor.....	\$186.50
Improvements ..	603.34
Repairs	1.40
Settees.....	131.25
	<hr/>
	\$922.49

CR.

Net expenditures.....	\$922.49
	<hr/>

MAINTENANCE OF COMMON.

DR.

Ass't Supt.....	\$927.50
Police.....	973.25
Labor.....	2,572.50
Maintenance.....	6.31
Repairs.....	190.77
Supply.....	72.07
Light.....	197.04
Rent.....	240.00
Plants and seeds.....	357.97
Fertilizer.....	54.73
Settees.....	134.38

\$5,726.52

CR.

Net expenditures.....	\$5,726.52
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MAINTENANCE OF TRIANGLE PARK.

DR.

Care of park.....	\$50.00
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CR.

Net expenditures.....	\$50.00
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OFFICE EXPENSES AND MISCELLANEOUS.

DR.

Superintendent and Clerk.....	\$1,829.18
Rent.....	250.00
Supplies and expenses.....	226.96
Stationery, printing, reports.....	499.27
Traveling expenses.....	20.00
Carriage hire.....	368.00
	<hr/>
	\$3,193.41

CR.

Net expenditures.....	<hr/> <hr/> \$3,193.41
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LABOR AND SALARY PAY ROLL FOR THE YEAR.

1902, December, Pay roll No. 1, 2, 3, 4	\$1,260.91
1903, January, " " " 5, 6, 7, 8, 9.....	1,298.75
" February, " " " 10, 11, 12, 13.....	1,106.55
" March, " " " 14, 15, 16, 17.....	1,160.33
" April, " " " 18, 19, 20, 21.....	1,621.50
" May, " " " 22, 23, 24, 25, 26.....	3,035.67
" June, " " " 27, 28, 29, 30.....	2,492.29
" July, " " " 31, 32, 33, 34	2,852.80
" August, " " " 35, 36, 37, 38, 39 ..	4,097.39
" September, " " " 40, 41, 42, 43.....	3,180.18
" October, " " " 44, 45, 46, 47, 48 ..	2,106.72
" November, " " }	
" December, " " } " 49, 50, 51, 52, 53	1,230.04
	<hr/> <hr/> \$25,443.13

Respectfully submitted,

THOMAS W. COOK, Clerk.

1904. CITY DOCUMENT. No. 15.

Ninth Annual Report

OF THE

BOARD OF CEMETERY COMMISSIONERS

NEW BEDFORD, MASS.,

For the Year Ending December 3, 1903.

NEW BEDFORD, MASS.
THE A. E. COFFIN PRESS, CITY PRINTERS,
1904.

IN BOARD OF ALDERMEN.

January 28, 1904.

Received, ordered printed in the City Documents, and sent
down for concurrence.

D. B. LEONARD, City Clerk.

IN COMMON COUNCIL.

January 28, 1904.

Concurred.

W. H. B. REMINGTON, Clerk.

THE NEW BEDFORD CEMETERIES.

OAK GROVE.

RURAL.
GRIFFIN STREET.

PINE GROVE.



BOARD OF CEMETERY COMMISSIONERS.

JOHN G. NICHOLSON, CHAIRMAN.

WILLIAM M. HIGHAM.

CHARLES H. VINAL, SECRETARY.



LOCATION OF CEMETERIES.

RURAL — Dartmouth Street.

OAK GROVE — Parker Street.

PINE GROVE — Tarkiln Hill Road.

GRIFFIN STREET — Cor. Second St. and Morgans' Lane.

CITY OFFICE
MERCHANTS BANK BUILDING, ROOM NO. 304.

CLERK OF BOARD
PARDON A. MACOMBER.

ASSISTANT
MISS IVA M. HUNT.

SUPERINTENDENT
CHARLES F. CORNELL.

SEXTONS
Oak Grove—Hurlbert E. Thomas.
Rural — Nelson L. Pike. Pine Grove — John F. Gifford
Griffin Street — Closed.

The cemeteries are opened daily from March 31st to October 1st
until 7:30 p. m., and during the remaining months until sunset.

Maps and plans of lots can be seen and all information can be
obtained at the city office or at the cemeteries.

CITY OF NEW BEDFORD.

OFFICE OF THE CEMETERY BOARD,
Merchants Bank Building.

NEW BEDFORD, MASS.,

December 7, 1903.

To the Honorable City Council,
City of New Bedford.

Gentlemen:—The Board of Cemetery Commissioners submits its Ninth Annual Report, the same being for the year ending December 7, 1903.

The wisdom of the City Government in providing during the past few years for special work in the Cemeteries may be noted by the improved changes and conditions which have taken place in the City's Cemeteries. Especially is this noticeable in the Rural and Oak Grove Cemeteries, where new receiving tombs, green-houses, tool-houses and sheds have been erected, together with new entrances and gateways, improved

approaches, the purchase of adjoining land, the improvement of which has entirely followed the line of the lawn plan system; all of which have contributed to the splendid results anticipated by these changes, and are fully realized and appreciated. The above are but a few of the more important improvements made through the generosity of the City Government in providing special moneys. In anticipation of further consideration during the coming year, together with the funds accumulating from sale of lots, the Board is contemplating other needed improvements for Rural, Oak Grove and Pine Grove Cemeteries, and will also spend necessary amounts, as far as possible, on the old burial ground.

The Cemetery Board cordially invite our citizens to visit and inspect the different Cemeteries under control of this department, and personally see the result of its effort to maintain and increase the standard of the modern, and the preservation of the old and historical burial places.

The yearly appropriations now made are expended almost wholly for labor and materials in caring for and performing the routine work necessary in the Cemeteries; special work and needed improvements, therefore, can only be accomplished by special provision from the City Government.

The Board carefully considers all work of this character, and strongly urges the City Government to make necessary provision for the following needed improvements during the coming year. First, that special provision be made for the purchase of the lot of land at the corner of Dartmouth and Oak streets, adjoining Rural Cemetery, for the purpose of constructing a new, safe and modern entrance to these grounds, and to supply a site on which the Sexton's cottage can be placed. An effort was made to secure the purchase of this property this year, but failed; the Board, however, feels confident that after further consideration by the City Government of the advisability of this purchase, that provision will be made; option is still held for the purchase of the land for \$3,800.00. In connection with this desired improvement, a new iron fence of modern design will be constructed along the Dartmouth street frontage.

This would have been built this year, but with the purchase of the above lot of land in view, for an entrance, and realizing that the character and design of the gateway and fence might necessarily be changed, the whole matter has been deferred until definite action has been taken by the City Government relative to the above purchase. Funds sufficient for the construction of the

fence and gateway have accumulated from sale of lots, and the City Government will not be asked to provide for the special work.

While considering work of this character, the Board calls the attention to the equal necessity of a new approach to Pine Grove Cemetery, at Lund's Corner; the present and only approach to this Cemetery is through Pine Grove street, leading from the Tarkiln Hill road, and which at no season of the year is in proper condition for travel.

The Board has no power to improve this approach, it being an accepted street of the City. It is, however, desirous to purchase a tract of land through the Washburn farm to the County road, and opening directly on the line of the electric railway; this approach to be entirely under the control of this department. This would shorten the distance from the Cemetery to the car line nearly one-half, and would receive the approval of a community which has long wished for this improvement to this Cemetery; to purchase this land and develop the same would require an appropriation of \$5,000.00, as per statement of the City Engineer, who has surveyed the premises and calculated the expense of the required improvement.

There is another matter which has been the subject of careful consideration by this Board; this is the

extension of the water supply in Oak Grove and Rural Cemeteries. No extension has been made for five years. The increased sale of lots in the new section, which extends far beyond the limit of the present water supply, renders it necessary for lot-owners to carry water in pails long distances, that they may freshen the shrubs and flowers on their lots, and it also requires the department to carry a supply of long lengths of hose, that they may properly care for the large number of lots now under their charge, and to comply with the requirements of those placed in perpetual care.

Not less than 1,000 feet of main should be extended in each cemetery this year, which will require an expenditure of \$2,000.00, and the additional cost of necessary hydrants and outlets.

One of the special features of the Cemeteries to which we point with pride is the embellishment of the lawn plots and borders with an innumerable variety of shrubs and flowers, almost entirely the products from the green-houses. The department, from its present system of modern and artistic conservatories, is now enabled to provide ornamentation for all the cemeteries owned by the City, by supplying plants and flowers. These green-houses, for the last year, have been under the careful

management of Mr. Edmund Johnson, an experienced gardener and designer, who has exercised the full knowledge of his experience and ability to make the flower-beds of the Cemeteries form a large part of the summer attraction of our grounds. For the purpose of supplying plants, we have two large span-roof houses, seventy-five feet long by sixteen and eighteen feet wide, and eleven feet high. In connection with these is another house, twenty feet square and eighteen feet high. This house is used exclusively in keeping over in winter the large specimen plants, such as palms, tree ferns, ficus elastica, draecaenas, etc., and frames for seventy hot beds, sash six feet long and three feet wide. As to their uses. The large plants, just referred to, are placed in summer, some of the best of them under the portico of the receiving tombs and in the shaded portions of the grounds, where they receive an abundance of light, but are still protected from the rays of the sun. The taller ones are placed on the lawn in the park sections of the grounds. Here they do well, and look well, and add very materially to the appearance of these particular places; in Rural Cemetery, being opposite the large pond, the surroundings of which are neat and attractive, and where every one drives or walks by. The larger portions of the

plants, however, are arranged in groups, in places best adapted for their protection; those in large tubs or boxes are out of the ground, while those in pots are plunged into the sod, not being removed from the pots; arranged in this way, they have a natural appearance and give the most pleasing effect. In the many flower-beds in the Cemeteries, the kinds used are the standard varieties of bedding plants, both flowering and foliage, with a liberal sprinkling of the choicer annuals. In some special designs, however, one variety is used only, but the most satisfactory results are obtained from the mixed system of planting, for the reason that there is always something in bloom, and if any one plant becomes shabby or dies out, it can be removed and others will rapidly fill up the space.

Never before have the Cemeteries presented the attractive appearance of the present year, because of the special feature of these ornamental beds, systematic shrub planting and tree culture.

The public attention has been drawn to the Griffin Street Cemetery through a recent article published in the local paper, relating a conference held with the Mayor by the heirs of those from whom the ground was originally purchased, citing the commercial advantages that would result from the abandonment of this Cemetery, the removal of the bodies and the premises turned over to

manufacturing interests. When this Cemetery was placed in charge of the Board of Cemetery Commissioners it was found that the perfunctory care of preceding years had reduced its condition to little better than a neglected field. This is practically the oldest burial place in New Bedford, being almost coeval with the founding of the town, and since 1802 being the recognized place of interment for the inhabitants.

Here lie buried the good and the great of the Town of New Bedford. Some of the stones tell of patriotism, others of deepest learning and widely reaching charity.

As years have rolled by, the effect of time has been made apparent in the loss of many old tablets, and the disfigurement of others, and in the general effacement of some of the inscriptions, quaint and interesting relics of the past.

With these facts ever in mind, the Commissioners have always endeavored to bestow upon this space such attention as would render it a seeming place for the abode of so many who had been honored and respected in life. The grounds have been entirely renovated, measures have been completed to screen the unsightly surroundings, and the fence has been kept in repair and neatly painted. Large beds of flowers are maintained in the Cemetery,

and the grounds have been further embellished by the planting of shrubs and trees.

These grounds are now closed, there having been no burials since the year 1881. The Board is confident that the small sum required to preserve the general good appearance of these grounds is no argument in favor of its abandonment. What the "King's Chapel Burying Ground," situated in the heart of the commercial life of Boston, is to the City of Boston, Griffin Street Cemetery should be to the City of New Bedford.

During the past year the work on card catalogues and plans, locating lots, graves and tombs, has progressed satisfactorily, with careful attention to accuracy.

The Department acknowledges the kind co-operation of the City Engineer, Mr. Williams, and his assistants, in the engineering work. They have rendered invaluable service in the preparation of plans and plot-books of the Cemeteries.

By this system on file in the office of the Department in the Merchants Bank Building, every monument or stone or tomb now in existence can be accurately located.

The work accomplished on the old records and plans is of inestimable value, and data is being collected now, the value of which must increase immeasurably during the coming years.

Superintendent's Report.

To the Cemetery Board, City of New Bedford.

GENTLEMEN: — I herewith submit my annual report of the Cemetery Department, with a review of the work performed, together with such suggestions as seem to me suitable, both to the city and this department.

The work in the several Cemeteries has materially increased during the year, more lots being placed in annual and perpetual care; improvement of private lots has been marked; some very handsome monuments have been erected; new sections have been prepared on the lawn plan system; new avenues built; and the necessary drains and catch-basins constructed. In the older portions of the Cemeteries, however, on account of the poor material of which many of the avenues are constructed, being especially adapted to the growth of weeds, the expense upon the proper care of avenues is excessive. In fact, the amount required annually to repair them is

sufficient to pay the interest on the cost of avenues of the most improved type, as the material of which they are at present composed, being particularly susceptible to heavy rain storms, and this portion of the Cemetery not being provided with drains or catch-basins, washouts are frequent, and the avenues spongy, and at some seasons of the year difficult for the passing of carriages. I would therefore recommend that steps be taken to improve these avenues and to provide the necessary catch-basins to take care of the surface water.

The sale of lots in the Cemeteries during the past year has been greater than any year of which I have any record, and while there are at present quite a large number of lots for sale, there is still a constant demand for single graves and small lots.

The rapid extension in both Rural and Oak Grove Cemeteries renders it imperative that shelter houses should be built in the new part of these grounds, from the fact that there is at the present time no accommodation whatever or shelter from inclement weather for persons waiting for funerals or having business there. It should contain a water closet and a place to keep the burial device, etc.

I also desire to call the attention of the Board to the need of extensions of the water supply in both Rural and Oak Grove Cemeteries, and for a service and hydrant at Griffin Street Cemetery, for the convenience of the public and the protection of the flower-beds, lawns and avenues.

The following is a summary of the work accomplished under your direction :

DESCRIPTION OF WORK.	NUMBER.	
	Rural	Oak Grove.
Sq. ft. land prepared for burial purposes -	16,530	
Sq. ft. land graded and sodded - - -	15,600	22,700
Sq. ft. land seeded - - - - -		40,460
Lineal ft. of avenues and walks built - -	5,140	2,000
Tons broken stone used in repairing avenues [and walks	20	21
Foundations built for tablets - - -	218	127
Foundations built for monuments - -	26	11
Drains laid (ft.) - - - - -	634	
Catch-basins - - - - -	8	
Lineal ft. of avenues re-fitted - - -	3,370	
Lineal ft. borders trimmed and strengthened	6,635	
Neglected graves re-fitted - - - -	93	79
Neglected lots re-fitted - - - - -	16	76
Neglected headstones re-fitted - - -	79	507
Hedges and fences condemned and removed	4	7 hdgs 3 fncs
Trees removed - - - - -	4	3
Foundations re-built - - - - -	30	10
Interments made in lots - - - - -	233	202
Interments made in single graves - -	40	38
Interments made in public ground - -	94	45
Interments made in Soldiers' and Sailors' Lot	7	
Total interments in 1903 - - - - -	387	285
Brick graves built - - - - -	42	24
Lots in annual care - - - - -	830	639
Bodies entombed, 1903 - - - - -	33	35

DESCRIPTION OF WORK.	NUMBER.	
	Rural.	Oak Grove.
Bodies remaining in tomb - - - -	9	10
Bodies disinterred this year - - - -	27	21
Prepared lots unsold - - - - -	652	388
Actual value of lots unsold - - - - -	\$66,565.00	\$36,034.00
Lots sold - - - - -	50	37
Single graves sold - - - - -	38	42
Plants raised in green-houses and frames -	15,405	12,096
Trees and shrubs planted - - - - -	342	342
Flower and shrub beds - - - - -	130	67
Cost of maintenance - - - - -	\$13,560.07	\$8,453.47
Total interments - - - - -	11,136	11,213
Average No. employes - - - - -	30	26
Teams - - - - - 4		

PINE GROVE. — No. of neglected headstones re-fitted, 5 ; interments made in lots, 22 ; total interments in 1903, 22 ; No. of brick graves built, 1 ; No. of lots in annual care, 53 ; No. of prepared lots unsold, 9 ; actual value of lots unsold, \$235 ; No. of lots sold, 5 ; No. of plants raised in green-houses and frames, 3,582 ; trees and shrubs planted, 11 ; flower and shrub beds, 11 ; cost of maintenance, \$808.28 ; total No. of interments, 508 ; average No. of employes, 2.

GRIFFIN STREET. — Trees and shrubs planted, 20 ; flower and shrub beds, 3 ; cost of maintenance, \$52.95.

FRIENDS. — Total interments in 1903, 3 ; No. of lots in annual care, 10.

PLANTS SET OUT IN RURAL CEMETERY,
SPRING OF 1903.

Geraniums	869	Geraniums, Rose	120
Geraniums, Salleroi	500	Coleus	2,337
Begonia Vernon	1,135	Lobelias	618
Salvias	830	Golden Feverfew	410
Fuchsias	201	Acyranthus	969
Zinnias	50	Marguerites	50
Silene	100	Dracaenas	5
Asters	200	Ageratum	310
Coreopsis	100	Althernantheras	2,900
Nasturtium	175	Bannas Plants	4
Castor Beans	36	Snap-Dragon	215
Petunias	265	Dusty Miller	325
Echeverias	216	Hydrangeas	20
Roses, Mixed	50	Tuberous Begonias	50
Poppies	50	Oleander	1
Moon Vines	3	Vincas	15
Yams	100	Mixed Plants	230
Verbenas	160	German Ivy	20
Sweet Alyssum	325	Nicotine	60
Sedum	78	Mesembryanthemum	20
Stocks	12	Vase Plants	240
Phlox	25	Gaillardia	150
Marandia Vines	25		
Geraniums, Ivy	43	Total	15,405

PLANTS SET OUT IN OAK GROVE CEMETERY,
SPRING OF 1903.

Geraniums	1,030	Castor Beans	10
Coleus	115	Althernantheras	1,760
Begonia Vernon	255	Phlox	125
Verbenas	104	Vincas	40
Sweet Alyssum	260	Snap-Dragon	35
Dusty Miller	150	Pelegoniums	40
Clarkia	80	Marguerites	51
Plants for Vases	650	Cosmos	25
Asters	150	Echeverias	400
Marigolds	75	Draceanas	25
Yams	112	Geraniums, Salleroi	115
Cannas	985	Petunias	300

REPORT OF CEMETERY BOARD.

Rockery	175	Lobelia	325
Tuberous Begonias	75	Bannas	4
Salvias	1,465	Acyranthus	610
Ageratum	220	Grasses	35
Calendulas	75	Poppies	50
Verbenas	104	Browallias	75
Gaillardia	125	Lupinus	25
Coreopsis	130	Golden Feverfew	130
Mixed Plants	635	Mesembryanthemum	50
Zinnias	370		
		Total	12,096

PLANTS SET OUT IN PINE GROVE CEMETERY,
SPRING OF 1903.

Geraniums	236	Begonias	300
Salvias	278	Lobelias	300
Zinnias	60	Ageratum	309
Marigolds	250	Cannas	214
Mixed Plants	185	Gaillardia	50
Yams	30	Agryanthus	135
Coleus	442	Sweet Alysums	60
Candytuft	50	Geraniums, Salleroi	50
Echeverias	200	Poppies	50
Verbenas	50	Running Vines	8
Fuchsias	25		
Verbenas	400	Total	3,682

STOCK PLANTS IN GREEN-HOUSES AND FRAMES, 1903.

Ferns	65	Palms	40
Asparagus	12	Oranges	6
Oleanders	14	Calceolaria	40
Cinerarias	50	Umbrella Plants	25
Rubber Plants	6	Roses in Pots	12
Century Plants	2	Large Palms in Tubs	5
Echeverias	1,200	Bananas	6
Dracenas	25	Aspidistria	1
Hydrangers	25	Plants set out in frames	1,000
Fuchsias	12		
Begonias	200	Total	2,746

PLANTS SET OUT IN NURSERY, 1903.

Ornamental Grasses	500	Chrysanthemums	200
Roses	25	Eupatorium	50
Geraniums	400	Vioncas	25
Nasturtium	25	Daisies	200
Dahlias	100	Cherries	75
Marigolds	60	Rock Roses	20
Forget-Me-Nots	150		
Total			1,830

NO. OF PLANTS BEDDED OUT AT OAK GROVE CEMETERY	-	12,096
“ “ “ “ RURAL CEMETERY	-	15,405
“ “ “ PINE GROVE CEMETERY	-	3,682
		31,183
STOCK PLANTS IN GREEN-HOUSES AND FRAMES	- - -	2,746
“ “ NURSERY	- - - - -	1,830
Total	- -	35,759

ROSE BUSHES SET OUT IN RURAL CEMETERY, 1903.

Mme. Franceska Kruger	6	Souvenir du President Carnot	6
Souvenir de Wootton	6	Bride	6
Bridesmaid	6	Mme. de Watterville	6
Meteor	6	Clothilda Sonpert	6
Hermosa	6	Queen's Scarlet	6

ROSES SET OUT IN OAK GROVE CEMETERY, 1903.

Mme. Franceska Kruger	6	Souvenir du President Carnot	6
Souvenir de Wootton	6	Bride	6
Bridesmaid	6	Mme. de Watterville	6
Meteor	6	Clothilda Sonpert	6
Hermosa	6	Queen's Scarlet	6

SHRUBS SET OUT IN RURAL CEMETERY, 1903.

Catalpa Bungei	12	Salisburia Adiantifolia	10
Silver-Leaved Maple	12	Norway Maple	5
Japanese Atropurpureum	3	Althea, Rose of Sharon	10
Plane Tree, Oriental	5	Tulip Tree	5
Aralia Japonica	9	Azalia, Amoeria	10
Azalia, Mollis	10	Berberis Purpurea	5
Berberis Thunbergi	4	Clethra Almifolia	15
Cormis, Sanguinea	15	Hydrangea, Otaka	10
Cormis, Sabirica	15	Forsythia, Suspensa	15
Deutzia, Gracilis	20	Forsythia, Vividissima	15
Lilac, Madam Lemoine	5	Prunus Pissardi	10
Spirea, Aurea	15	Syringa, coronarius	5
Spirea, Prunifolia	15	Sumac, Laciniata	2
Snow Ball, Japanese	5	Weigelia, Amabilis	10

SHRUBS SET OUT IN OAK GROVE CEMETERY, 1903.

Catalpa Bungei	12	Salisburia Adiantifolia	10
Silver Leaved Maple	13	Norway Maple	5
Japanese Atropurpureum	3	Althea, Rose of Sharon	10
Plane Tree, Oriental	5	Tulip Tree	5
Aralia Japonica	9	Azalia, Amoeria	10
Azalia, Mollis	10	Berberis Purpurea	5
Berberis Thunbergi	4	Clethra Almifolia	15
Cormis, Sanguinea	15	Hydrangea, Otaka	10
Cormis, Sabirica	15	Forsythia, Suspensa	15
Deutzia, Gracilis	20	Forsythia, Vividissima	15
Lilac, Madam Lemoine	5	Syringa, Coronarius	5
Spirea, Aurea	15	Prunus Pissardi	10
Spirea, Prunifolia	15	Sumac, Laciniata	2
Snow Ball, Japanese	5	Weigelia, Amabilis	10

SHRUBS SET OUT IN THE PINE GROVE CEMETERY, 1903.

Catalpa Bungei	3	Althea, Rose of Sharon	2
Berberis, Thunbergie	1	Hydrangea, Otaka	8
Sumac, Cut Leaved	2	Plane Trees, Oriental	1

SHRUBS SET OUT IN THE
GRIFFIN STREET CEMETERY, 1903.

Catalpa Bungei	1	Althea, Rose of Sharon	2
Plane Tree, Oriental	1	Berberis Thunbergie	1
Hydrangea, Otaka	2		

LIST OF PROPERTY.

RURAL CEMETERY.

OFFICE.

1 box working plans	1 desk
1 framed plan of cemetery	1 table
1 framed "rules and regulations"	4 office chairs
2 pairs curtains	1 rubber mat

TOOL HOUSE.

5 axes	7 ax handles
2 augers	1 blowing spoon
3 bill hooks	5 blowing drills
1 bier	434 bound stones (terra cotta)
4 bushel baskets	2 buck saws
4 brooms	1 boat
4 bush scythes	4 bush scythe handles
1 cant-hook	1 cloth tape (50 ft.)
2 carpenters' hammers	1 cross-cut saw
2 claws	½ coil new rope
1 chisel	3 chains
6 drilling hammers	3 derricks
1 drag	3 falls
2374 flower pots	15 forks
29 fountain covers	5 grave forms
3 grind-stones	4 grave linings
20 grass hooks	15 grass shears
6 grave canvasses	1 glass cutter
8 grave rests	12 grave benches
3 grave tongs	28 hoes
1 hydraulic pump	1 hedge trimmer
3 hose nozzles	1 hose reel
700 ft. hose	1 horse roller

2 hand saws	1 hatchet
1 horse shovel	1 heater
50 hand drills	2 iron blocks
71 iron grave pins	10 iron stakes
2 lowering devices	1 level
2 lowering device covers	3 ladders
1 large tool box	5 lawn sprinklers
15 lawn mowers	1 lawn roller
3 lanterns	40 maddocks
10 oil cups	1 oil can
19 picks	30 pick handles
1 paving hammer	1 paving pounder
40 perpetual care signs	20 pail racks
2 pruners	12 public ground signs
105 water pails	25 mortar pails
1 putty knife	50 round pointed shovels
20 rubbish cans	1 spraying can
31 snow shovels	9 spades
2 sledge hammers	2 striking hammers
4 stone hammers	1 steel square
1 steel tape (50 ft.)	14 steel bars
1 snow plow	8 scythes
8 scythe sticks	2 screw drivers
10 sledge hammer handles	1 sand box
15 small tool boxes	1 step ladder
1 stove	42 settees
1 stamp "rural cemetery"	10 sod pounders
10 sod cutters	11 sod lifters
1 stilyard	1 stencil plate
4 signs "keep off the grass"	30 steel rakes
2 signs "rules and regulations"	1 transportation wagon
6 signs "no dogs allowed"	3 tents
3 masons' trowels	3 garden trowels
1 vise	1 white wash brush
1 watering cart	15 wooden rakes
20 wheelbarrows	1 water ballast roller
6 wrenches	18 watering pots
2 weeders	2 wooden squares
4 wooden blocks	

Sundry stock, consisting of paint, oil, turpentine, acid, paint brushes, scrubbing brushes, steel brushes, cedar stubs, lumber, sand, cement, lime, ropes, explosives, caps, fuse, hose couplings, hose menders, grass seed, bone meal, fertilizer, glass and plant boxes.

OAK GROVE CEMETERY.

OFFICE.

1 desk	3 chairs
1 framed "rules and regulations"	1 table
1 large framed plan of cemetery	1 book of plans
1 bill file	

TOOL HOUSE.

46 round pointed long handled shovels	1 transportation wagon
20 spades	1 hand cart
61 iron rakes	1 horse stone roller
50 wooden grass rakes	1 horse harrow
1 long handled post hole shovel	1 hand water ballast roller
2 wooden handled snow shovels	3 boxes glass, 20x18
23 pick axes	1 glass cutter
20 pick ax handles	1 terra cotta stub puller
10 maddocks	169 terra cotta markers
4 ax handles	75 terra cotta markers, 4 in. with star
16 lawn mowers	2 ladders (10 ft.)
20 lawn mower cogs	1 extension ladder (18 ft.)
30 pair grass shears	1 stencil
16 scythes	1 box iron letters
2 pair hedge shears	12 dung-forks
11 sod lifters	1 grindstone handle
1 iron sod pounder	1 mason's trowel
7 galvanized iron water pails	2 plum rules
30 galvanized watering cans	1 iron sounding rod
15 iron rope pins for graves	19 fountain covers
2 grave frames	10 bushel baskets
84 iron grave pins	3 bill hooks
1 pump for graves	1 pr. long rubber boots
2 pr. grave sticks	60 lbs. bone meal
1 pr. grave ropes	½ keg 10-penny nails
4 pr. canvas grave linings	11 rifles
1 grave awning	4 signs, "Rules and Regulations"
3 small grave boxes	6 signs, "No Dogs Allowed"
3 drilling hammers	75 stakes for trees
	1 hot-water heater

1 blowing spoon	2 galvanized stove pipes
6 iron wedges	2 signs, "No Passing"
16 face and sledge hammer handles	10 signs, "Keep Off the Grass"
2 face hammers	1 Starrett hack saw, with 6 saws
1 claw hammer	1 plane
1 blacksmith's forge	1 short handled shovel
2 derricks	48 hoes
3 falls with blocks	22 iron snow shovels
4 iron chains	22 iron bars
2 claws	2 iron pinch bars
500 ft. 1 in. rubber hose	2 iron bars for foundations
4 hose nozzles	38 grub hoes
14 hair brushes for cleaning marble	6 axes
12 brooms	2 hatchets
1 express wagon	4 iron wheelbarrows
10 wooden wheelbarrows	1 horse scraper
42 cycles	1 hand stone-roller
18 oil cups	1 hydraulic pump
13 scythe handles	½ box glass, 13x9.
15 sod-cutters	2 putty knives
12 sod-pounders	1 Stub Auger
15 wooden water buckets	64 slate path markers
114 half-fibre water buckets	1 paving broom
20 bucket racks	1 paving hammer
1 iron grave hook	1 ladder (8 ft.)
2 canvases for covering dirt	1 iron stamp, "Oak Grove"
1 grave bailer	1 box iron stamps, 1-9
3 pr. grave straps	1 tape (50 ft.)
2 lowering devices	2 grindstones
3 pr. grave benches	1 mason's hammer
2 grave planks	5 trowels
9 dirt canvases	1 jack-screw and bar
1 large grave box	3 fountain shut-offs
3 blowing drills	7 bbls. Rosedale cement
125 hand drills	2 stoves
15 lbs. backing and wedges	2 pr. short rubber boots
3 sledge hammers	1½ bushels grass seed
3 chalking hammers	½ keg 8-penny nails
1 blacksmith's hammer	5 lbs. pumice stone
1 anvil	40 perpetual care signs
1 gin	31 settees
2 guy ropes	25 rubbish cans
2 wooden drags	2 water tubs
100 ft. ½ in. rubber hose	2 half water-barrels

4 hose sprinklers	100 wooden stubs
5 iron brushes for cleaning granite	1 weed hoe
1 white-wash brush	1 iron vase
1 watering cart	4 roller weed hoes
1 hand truck	2 hand saws
1 horse plough	

GREENHOUSE STOCK.

1 pr. scissors, for wire	3 scratching-rakes for gardens
1 hand syringe	2 garden trowels
2 watering pots	1 spraying tank
1 clock	1 pruning saw
4 pr. trimming shears	1 rubber sprayer
1 long handled pruning knife	1 roll paper standard
1 lamp	1 lantern
2 gal. oil can	1 knife for scraping paint
2 lbs. whale oil soap	½ doz. mouse traps
1 dandelion puller	1 fumigating stove
1 soap atomizer	2 heaters
225 ft. rubber hose	45,000 flower pots
60 bulb pans	48 cold frames
3 radiators	1 copper fish-tank
1 step-ladder	

PINE GROVE CEMETERY.

1 desk	plans
2 lawn mowers	450 ft. hose
2 iron bars	1 pick ax
3 shovels	1 grave canvas
1 grave lining	6 drills
1 ax	1 hand-cart
1 watering wagon	

OFFICE.

Merchants Bank Building.

16 chairs	14 plat-books
2 desks	1 case with working plans
1 type-writer desk	1 card index
1 cabinet for plat-books	1 clock
2 large maps (framed)	1 cabinet
1 book case	2 tables
1 pr. scales	"Acts and Resolves of Massachu-
1 letter press	setts Legislature, 1887-1903."
1 type-writer	

We have been able to keep the customary force of men almost continually employed, not only in spring, summer and fall, but also so far during the current winter, completing the work of opening new sections and avenues, which at first seemed improbable.

The work in the Cemeteries under the charge of the Sextons has been systematically performed, inasmuch as we have been able to classify our laborers, according to their ability to do the work. The men have been divided into groups, and each group, under the direction of a foreman, assigned to certain portions of the Cemeteries, and held responsible for the appearance of that part of the grounds during the season.

The Sextons are present at all funerals and always at the graves, and operate the lowering device, the free use of which is granted at all burials.

Should an accident happen, which, I am happy to say, is very seldom with us, all interested come to the Superintendent with their troubles.

Respectfully submitted,

CHARLES F. CORNELL,

Superintendent.

RECEIPTS AND EXPENDITURES.

DR.

Balance old account, 1902	\$179.50
Annual appropriation, Feb. 12, 1903	12,000.00
Special appropriation, June 12, 1903	8,000 00
Receipts, labor on lots to Dec. 7, 1903	8,757.50
Receipts, labor on perpetual care lots, 1902	3,118.22
Balance due from City Treasurer, labor on perpetual care lots, 1902	274.23
	<hr/>
	\$32,329.45

CR.

By transfer to unappropriated funds (see auditor's balance)	\$179.50
Expenditures, general	31,914.48
Balance to new account	235.47
	<hr/>
	\$32,329.45

SALES OF LOTS.

DR.

Balance old account	\$864.20
Receipts to Dec. 7, 1903 (lots sold)	6,509.00
	<hr/>
	\$7,373.20

CR.

Expenditures, embellishment and improvement	\$2,913.47
Balance to new account	4,459.73
	<hr/>
	\$7,373.20

CLASSIFIED STATEMENT OF
EXPENDITURES.

RURAL CEMETERY.

General labor account (labor on extensions, new sections, avenues, etc.)	\$12,714.23	
Dressing	1,081.56	
Supplies (general)	1,271 72	
Tools	403.62	
Loam	92.80	
Incidentals	9.25	\$15,573.18

REPORT OF CEMETERY BOARD.

OAK GROVE CEMETERY.

General labor account (labor on extensions, new sections, avenues, etc.)	\$10,268.90	
Greenhouse maintenance account	835.52	
Supplies (general)	1,012.19	
Dressing	401.77	
Tools	404.51	
Telephone	27.50	
Cold-pit construction	60.41	
New trees and shrubs	142.35	\$13,153.15

PINE GROVE CEMETERY.

General labor account	\$687.60	
Dressing	3.72	
Supplies (general)	89.37	
Tools	27.59	\$808.28

GRIFFIN STREET CEMETERY.

General labor account	\$52.95	\$52.95
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OFFICE.

Office supplies	\$569.62	
Telephone	29.20	
Rent	300.00	
Report	214.57	\$1,113.39

SALARIES.

Superintendent	\$1,200.00	
Clerk	939.00	
Assistant Clerk	530.00	\$2,669.00
Sexton's salary, Rural Cemetery	720.00	
" " Oak Grove Cemetery	720.00	1,440.00
Telephone, Superintendent's residence		18.00
Balance, 1902, unappropriated funds		179.50
Unexpended, sales of lots		4,459.73
" cemetery funds, due from City Treasurer		235.47
		<hr/>
		\$39,702.65

This Board, on its part, has been always zealous in its maintenance of the beautiful features of the grounds, but all the zeal and energy, coupled with large expenditures, will avail but little, unless the proprietors exercise needful care of their holdings.

The improved condition of avenues and paths, carefully cut borders, skillfully trimmed shrubbery, tastefully located, the beautiful lawn effect cannot command the attention pleasantly, if their good effect is overcome by the carelessness of individual lot-owners who may neglect even ordinary attention to their lots.

To prevent the evil tendency to carelessness in this regard, attention is again directed to the system of perpetual care in use in the Cemeteries.

Sixty-six lots have been placed in perpetual care during the year, making the total number 821. The sum deposited for the care of these lots is \$7,379.55, making the total fund deposited in perpetual care \$81,790.84.

The Board wish to thank those who have put their lots under perpetual care, and annual care, and look forward hopefully to the time when practically the entire cemetery property will receive equal and satisfactory attention, which can only be brought about by placing substantially all lots under perpetual care.

Amount of perpetual care fund, 1902	\$74,411.29
Amount deposited for perpetual care, 1903	7,379.55
Total amount deposited in perpetual care	\$81,790.84
No. of lots placed in perpetual care, 1903	66
Total number of lots in perpetual care—	
Rural Cemetery	435
Oak Grove Cemetery	345
Pine Grove Cemetery	18
Friends Cemetery	10
Peckham West Cemetery	6
St. Mary's Cemetery	6
St. John's Cemetery	1 — 821

During the past year the Cemetery Board have been treated most generously by His Honor, Mayor Charles S. Ashley, and by the members of the City Government, and are deeply grateful for the prompt and ready response made to their requests for additional appropriations, to carry on successfully the progressive work of the Department. The Board have given freely of their time to the many questions which naturally arise in the conducting of the business of a large municipal department.

Respectfully submitted,

JOHN G. NICHOLSON, Chairman,
W. M. HIGHAM,
CHARLES H. VINAL, Secretary.

1904. CITY DOCUMENT. No. 16.

ANNUAL REPORT

OF THE

INSPECTOR OF MILK,
PROVISIONS AND
ANIMALS

OF THE

CITY OF NEW BEDFORD.

For the Year Ending December 31, 1903.

NEW BEDFORD, MASS.
THE A. E. COFFIN PRESS, CITY PRINTERS,
1904.

REPORT

OF THE

Inspector of Milk, Provisions and Animals.

NEW BEDFORD, MASS.,
Dec. 31, 1903.

*To His Honor, the Mayor, the Board of Aldermen, and
City Council of the City of New Bedford :*

GENTLEMEN: — The report of this office is herewith respectfully submitted.

The main questions occupying this office is the procuring for the citizens of New Bedford, pure, unadulterated, wholesome, standard quality milk, meats and provisions.

There is no person who realizes the value of pure milk, both as regards its food value and as a protection against disease, more than the inspector, and I have made it a duty to procure this end by whatever methods, provided they be honest and legitimate, that in my own experience, and that of others who know the value of what they suggest, seem, under the circumstances, the most promising, and it is a fact that as a result New Bedford's milk supply is second to none in this state.

The inspector's office at No. 137 Pleasant st., is open during business hours every day, and is visited by the public in all matters relating to the questions of milk, provisions and animals, such as bringing samples of milk and provisions for inspection and investigation, and making inquiries and complaints on various matters; all such complaints have been cheerfully and thoroughly investigated to the perfect satisfaction of all parties interested.

No person need be in doubt about the purity of their milk supply, or the quality of meat, poultry, fish or provisions of any sort, when a visit to this office, provided by law for the use of the public, will give all the needed information and assistance.

The quantity of milk brought into this city averages about 27 thousand quarts per day, and I have not found but three samples in over nine hundred examined that was below the standard required by law.

It is my duty to make an inspection of all cattle owned within the city limits, and ascertain their condition as to the existence of contagious disease, and the general condition and cleanliness of said cattle.

Also, to minutely examine the barns or other enclosures in which cattle are kept, with reference to their situation, cleanliness, light, ventilation and water supply, all of which I make out a detailed report with names, etc., etc., to the State Board of Agriculture, which is embodied in their report to the Legislature. This year, I have condemned five places where cattle were being kept, and they have been abolished or renovated by the Hon. Board of Health, and now the cattle and their abodes are in better condition than ever before.

I have caused to be killed during the year six glandered horses and seven tuberculous cows, and proved my diagnosis by post mortem examinations; have also quarantined all sick and debilitated cows coming under my notice during the year.

I inspect the slaughter of all animals killed for food purposes within the city limits, and condemn all that are diseased; have also condemned and destroyed large quantities of meats, vegetables and fruits, as being unfit for food purposes.

I have issued 292 licenses for the sale of milk at 50 cents each, which has been paid into the city treasury.

My duty is also to seize, quarantine, and kill all animals suffering with contagious and infectious diseases, after a thorough and careful examination and test, and it has been my pleasure to strictly and impartially perform this duty to the best of my ability, and the full extent of my authority, thus giving to the inhabitants of New Bedford as little danger as is possible of contracting these fatal diseases, which are carried to the human family by contagion and infection, and one of them, glanders in the horse, has been the cause of the terrible death of four people (three men and a woman) in Massachusetts during the year just passed.

The number of diseased animals destroyed during the year is the smallest of any year for the past sixteen years of my administration of the duties of the office, and in the mind of the inspector, there are fewer cases of these diseases existing in this section today than ever before, owing no doubt to the better care, and improved surroundings of our animals, which has been insisted upon by the inspectors of animals.

Any person who has given the least study to the subject of handling milk, from its source to the consumer, is perfectly aware that too much care cannot be given, and a few words of advice and caution, to both dealer and consumer, can do no harm to either, and it is the inspector's earnest wish that the following may be of great advantage to both.

The milk of cows is the principal diet of nearly every child for the first two or three years of its life, and the

future condition of the child's health is influenced in no small way by the kind of milk furnished in its infancy.

This milk is not usually subjected to the cooking process, but is taken in its natural or raw state, and the systems of infants and invalids which depend largely upon it for sustenance, prove fertile soil for the development of any pathogenic bacteria it may contain.

There is probably no other article of diet so susceptible to change, and it is important that we first understand the nature of milk, its liability to convey disease, and the causes of the changes it undergoes.

This applies more particularly to the dairymen who furnish milk, since no small share of the responsibility of the health of the inhabitants rests upon their shoulders.

Milk, being a complete food, consists of a great variety of fats, albuminoids, milk sugar, and minerals in suspension or solution. In fact, it contains all of the elements needed for the nourishment of the human body in a readily assimilable form. For general domestic purposes, milk is valuable in proportion to the total of solids it contains. This is a fact not generally understood, as too much stress is usually placed on the amount of fats present, which manifest themselves by rising to the surface in cream.

To be sure, for butter making purposes, this is the all important object, but for general consumption the other solids are equally important. Hence, all other things being equal, the value of milk for domestic purposes should be based upon the total amount of solids it contains.

The following is an average percentage of the solid ingredients in normal milk:

Milk fat,	3.60 per cent.
Milk sugar,	4.75 per cent.
Casein,	3.00 per cent.
Albumin,	.50 per cent.
Mineral matter,	.70 per cent.
Water,	87.45 per cent.

100 pounds of average milk contains about $12\frac{1}{2}$ per cent. of average solids, varying in normal milk from 9 to 18 per cent. By the introduction of water, not only is the consumer cheated, but the water added is likely to contain disease producing organisms, which multiply rapidly when introduced into such a favorable medium. That milk is a first class medium for the development of many of the pathogenic bacteria, is proved by the fact that bacteriologists use it as one of the means to determine bacteriological character.

Some of these organisms cause specific changes in the character and chemical composition of the milk, as the process of souring and curdling is the result of bacteriological action. These changes being peculiar to these organisms, are therefore diagnostic. Others, however, produce no recognisable changes in the milk, yet have the power of infinite multiplication in this medium.

It is here that the real danger lies. For instance, the bacillus of typhoid fever may be introduced into the milk supply of the family, in ways too numerous to mention, and there multiply rapidly, yet give no evidence to the consumer of its presence, because no visible changes occur as the result of such multiplication. The same is probably true of other pathogenic organisms, nor does the life of the organism confine its presence and source of infection to the milk alone. It has been demonstrated that the

bacillus of tuberculosis withstands all the changes undergone by the milk and cream and remains virulent in the butter for three months or more.

In the preservation of milk, which should be the chief aim of the milk man and the housewife, it should be remembered that with the exception of creaming, which is due to the action of gravity, all changes in milk are brought about by the action of bacteria. Milk containing no bacteria, undergoes little or no change, and remains indefinitely sweet. When secreted in the udder of a healthy cow, it is doubtless in this condition, but to transfer it to a bacteria proof vessel is no easy matter, and despite all precautions possible in every day practice, many bacteria will gain access to the milk while being drawn and in the subsequent handling of it. The best that can be done is to keep out as many as possible. Now, in order that the milk may be as free from germs as possible, certain conditions should be observed, viz:

The cattle should be free from disease. Hence, every herd of cows producing milk for human consumption, should be inspected by a veterinarian, employing the tuberculin test to such herds as require it, and ordering the removal of all cows that react to the test, and all that have diseased udders.

The cows should be kept as free from dust and dirt as possible, and if the hair on the flank and udder were moistened before the milking began, it would prevent particles from falling off into the milker's pail.

The air of the stables should be kept pure and free from dust. The milkers' hands and clothes should be kept perfectly clean. The first few spoonfuls of milk from each teat should be rejected. All utensils and cans should be cleansed in the following manner: First, wash out with hot water; then with hot water and sal soda, using a brush, so as to clean thoroughly all seams and other parts of the cans; then rinse in boiling water and hang up to

drain in a clean, pure atmosphere. The cooling and aerating of the milk and transferring of it to the cans, should be done in an atmosphere which is as pure as possible. Having taking every precaution to keep the bacteria out of the milk, the next precautions are to prevent the multiplication of such as have invariably entered. To accomplish this, low temperature seems the most practical for the dealer. Frozen milk keeps indefinitely, as no bacteria can grow in it; but at a temperature of from 35 to 45 degrees, it keeps long enough for most purposes; this temperature can be readily obtained by the use of ice; it is important that the milk be cooled after being drawn as soon as is possible. After cooling the cans should be kept at as low temperature as is practical until delivered to the consumer.

A WORD TO MILK CONSUMERS.

Consumers cannot be too careful about their milk supply, especially if it is intended for infants and invalids; insist upon having a good quality, remembering that two things should be taken into consideration: First, the manner in which the cows and the milk are treated; and second, the solid matter the latter contains. Avoid all milkmen whose wagons, teams and drivers have not a neat and tidy appearance, for no milkman who handles his milk in a cleanly manner will send out a dirty wagon or driver. *If possible, visit the dairy furnishing you milk.* Nothing would do more to stimulate neatness among dairymen than the frequent visits of its patrons. Ascertain what the composition of the milk furnished is, remembering that its richness cannot always be judged by the thickness of the cream which forms upon its surface. Milk containing too high a percentage of fat, is not as suitable food for children as an average milk, since the

excess of fats interferes with the proper digestion of the rest of the ingredients. Furnish a thoroughly cleansed and sterilized dish for receiving the milk, and then if it sours within fifteen or eighteen hours, when kept free from dust and at a moderate temperature, (60 to 70 degrees F) or if it becomes ropy or bitter, or sours with an offensive odor, or the formation of many gas bubbles, call the milkman's attention to the matter. All such changes are due to too many bacteria being permitted to enter the milk, owing to the careless or unclean handling of it.

Respectfully submitted,

DR. D. C. ASHLEY,

Inspector.

IN BOARD OF ALDERMEN,

February 11, 1904.

Received, ordered printed in the City Documents and
sent down for concurrence.

D. B. LEONARD, City Clerk.

IN COMMON COUNCIL,

February 11, 1904.

Concurred.

W. H. B. REMINGTON, Clerk.

1904. CITY DOCUMENT. No. 17.

LIST OF JURORS.

CITY OF NEW BEDFORD.

1904.

CLERK'S OFFICE,

March 21st, 1904.

This certifies the following to be a correct list of persons prepared as provided by law to serve as jurors for the year 1904.

Attest:

DANIEL B. LEONARD,

City Clerk.

NEW BEDFORD :
THE A.E. COFFIN PRESS, CITY PRINTERS,
1904.

A

Adams Alexander H. 115 Park, printer
Adams Charles H. 535 County, no occupation
Adams Stephen F. 223 Maxfield, merchant
Adshead Frank, 83 Walden, machinist
Akin Charles G. 3 Morgan terrace, merchant
Akin James, 24 High, mechanic
Albiston Roger W. 718 County, tailor
Allen Daniel E. 76 Shawmut av, butcher
Allen Daniel R. 171 Smith, waiter
Allen George F. 239 Arnold, retired
Allen James H. 68 Foster, machinist
Alley Alfred G. Jr. 53 Chestnut, grocer
Alley Ernest V. 253 Palmer, advertising writer
Almy Norman L. 21 Morgan, retired
Almy Walter C. 2 Green, clerk
Almy William T. 37 Purchase, shoemaker
Ames Yorick W. 325 Middle, janitor
Andress Benjamin A. 408 Kempton, clerk
Andrews Thomas L. 233 Acushnet av, grocer
Andrews Wilson P. 48 So. Ash, carpenter
Anthony George W. 398 Kempton, druggist
Arey Allen C. 159 Washington, gas fitter
Arnett William N. 551 Kempton, conductor
Arnold Thomas S. 7 La France ct, store keeper
Arnott George, 12 Margin, spinner
Ashley Isaac L. 66 Spring, stable
Ashley Joshua B. Jr. 78 North, marketman
Ashley Moses E. H. 65 Fifth, clerk
Atwood Herbert M. 49 Smith, carpenter
Atwood William W. 244 Pleasant, janitor
Avery James, 97 South, retired

B

Bachelder Percy E. 27 Dartmouth, civil engineer
Backus George F. 211 Rivet, engineer
Baker Daniel W. 60 Fifth, grocer
Baker George O. 261 County, retired
Baker Michael A. 82 Chestnut, master mariner
Baldwin George W. 385 Cottage, blacksmith
Bancroft Julius V. 194 Pleasant, street sprinkler
Bannister John W. 194 Pleasant, merchant
Bannon James S. 11 Hyacinth, barber
Bannon John H. 11 Hyacinth, plumber
Bannon Lawrence A. 11 Hyacinth, stone cutter
Bannon William F. 11 Hyacinth, assessor
Barrows Eugene M. 662 County, paint manufacturer
Barry Richard, Jr. 285 Cedar, clerk
Bartlett Clarence H. 450 County, clerk
Bassett Andrew H. w. s. Tobey road, butcher
Bassett Ellery R. 166 Mill, electrician
Bassett Walter H. 185 Pleasant, manager
Bates Edwin A. 154 North, real estate
Bates James W. 106 Ashland, grocer
Bates Lot B. 425 Acushnet av, grocer
Bates Orrin, 62 Hillman, confectioner
Baudoin Edouard H. 79 Bay, jeweler
Baylies Charles S. w. s. Acushnet av, clerk
Bearse Albert C. 7 Franklin, shipping clerk
Bearse Clarence A. 7 Franklin, carpenter
Beetle John H. East French av, lumber surveyor
Begley Edward J. 124 Hillman, plumber
Bennett William H. 5 Richmond, grocer
Bentley George B. 24 Mosher, top roll coverer
Bentley Loren T. 40 Bowditch, second hand
Bentley Samuel E. 69 County, retired
Bessey James A. 184 North, printer
Besse Seth J. 221 Pleasant, clerk

Blackmer Herbert A. 46 So. Sixth, druggist
Blake George A. 183 Kempton, clerk
Bliss William, 134 Arnold, clerk
Bly Leslie A. 37 Madison, machinist
Bly William L. 67 So. Sixth, clothing
Booth Edward H. 35 Durfee, car inspector
Borden Albert E. 265 Mill, clerk
Borden Charles F. 275 County, pattern maker
Borden George B. 1285 Rockdale av, farmer
Borden Harrison T. 152½ Fair, wood and coal
Borden Thomas J. 5 Stone, machinist
Bouchard John, 31 Richmond, barber
Bowen George H. 63 No. Second, moulder
Bradford Edgar V. 286 Park, overseer
Bradley William E. 300 County, foreman liv. stable
Braley George A. 73 Dean, belt maker
Braley Jasper W. Jr. 619 County, grocer
Braman Frederick A. 38 Foster, assistant engineer
Brawley Edward L. 68 Walden, clerk
Brennan John W. 144 Willis, foreman
Briggs Allen G. w. s. Tobey road, blacksmith
Briggs Byron A. 37 Campbell, carpenter
Briggs Charles F. 91 School, teamster
Briggs George E. 165 Fair, builder
Briggs Myron S. 89 Washington, driver
Briggs Phillip S. 173 Acushnet av, salesman
Brightman Charles O. 82 Mill, contractor
Brightman George F. 677 County, master mariner
Brightman Harry C. 68 State, clerk
Brightman Harry S. 101 Allen, polisher
Broadbent William S. 610 County, steam fitter
Bromley David, 951 So. Water, grocer
Brooks Arthur T. 191 River road, machinist
Brooks John B. 191 River road, engineer
Brown Charles H. 25 Willow, clerk
Brown James H. 212 North, machinist

Brown Oliver F. 139 Cottage, retired
Brown William L. G. 114 Sycamore, florist
Brownell Charles T. 153 Mt. Pleasant, farmer
Brownell Clarence H. 87 Mill, clerk
Brownell Elmer W. 83 Florence, grocer
Brownell Elnathan C. 354 County, marketman
Brownell Gilbert K. 372 Reed, insurance agent
Brownell Herbert J. 133 Chestnut, clerk
Brownson George L. 1487 Acushnet av, mason
Bryant Aaron C. 721 Kempton, carpenter
Bryant Alden H. 721 Kempton, jeweller
Buchell Charles N. 197 Middle, shoe dealer
Buffinton Lynton M. 419 Kempton, clerk
Burbank John T. 68 Parker, bookkeeper
Burgess Charles T. 74 Willis, shoecutter
Burgess George W. 68 So. Sixth, machinist
Burns Albert M. 54 Hillman, grocer
Burns Robert O. 215 Arnold, clerk
Burt Henry P. 355 Union, retired
Butler Harry W. 251 Chestnut, reporter

C

Caldwell Albert F. 101 No. Ash, carpenter
Calhoun Charles S. 212 Purchase, baker
Carroll Charles M. 178 Arnold, clerk
Carroll William A. 88 Liberty, carpenter
Carroll William E. 88 Liberty, carriage maker
Cartér Edward H. 275 Pope, carpenter
Carter John W. 71 Cedar, porter
Case George W. T. 117 Hillman, jeweller
Case Isaac R. 625 County, clerk
Chadwick Edward E. 118 Mill, meat and provisions
Chadwick Joseph W. 103 Oak, foreman Twist Drill
Chadwick William L. 117 Mill, grocer

LIST OF JURORS.

7

Champion John T. Court cor. Liberty, tailor
 Chase Charles F. 24 Howard av, carpenter
 Chase Frank B. 72 Willis, clerk
 Chase Walter F. 7 Ocean, ship carpenter
 Chase William F. 318 Mt. Pleasant, farmer
 Chase William R. 4 Keen, insurance agent
 Chausse Joseph, 126 Mt. Pleasant, grocer
 Churchill Benjamin J. 428 Kempton, gas fitter
 Clark Frederick C. 42 Dartmouth, mill operative
 Clarke James, 293 Acushnet av, printer
 Cleveland George H. V. D. 69 Forest, baker
 Clynes Thomas J. 643 Purchase, dry goods
 Cobb George A. Bridge road, tinman
 Coit Manuel, 3 Warwick, clerk
 Cole Theodore W. 74 Hillman, marble worker
 Cole William Jr. 196 Grinnell, treas. Co-op Assn
 Collins Williston H. 20 Arch, book manufacturer
 Cook Clarence A. 277 Union, superintendent
 Cook D. Herbert, 45 Maitland, mason
 Cook Frederick B. 18 Pleasant, janitor
 Cook Otis Pierce, 212 Summer, clerk
 Cooke Frank T. 266 Fourth, baker
 Cooke Robert, 266 Fourth, baker
 Coombs Charles S. 79 Mill, clerk
 Cooper William E. 551 Kempton, grocer
 Cornell Charles C. 34 Jenney Lind, market
 Cornell Charles R. 283 County, clerk
 Cornell Lester S. 283 County, clerk
 Cornish Clifton H. 192 Grinnell, insurance
 Corson Henry T. 643 County, druggist
 Cory George A. 138 State, carpenter
 Covell William P. 14 Pope, clerk
 Covill Frank O. 53 Emerson, clerk
 Coxen Charles H. 109 Durfee, grocer
 Cranston William W. 143 Washington, upholsterer
 Crapo George G. 168 Shawmut av, teamster

Croacher Frank, 174 Fourth, lumber dealer
Croacher Thomas W. 51 Fifth, sash and blind maker
Cronin Edward L. 119 Maxfield, merchant
Cross William O. 61 Summer, carpenter
Crowley Timothy, 111 Cedar, machinist
Cuddy Edward C. 16 Cottage, clerk
Cummings Benjamin, 411 County, grocer
Cummings Frank A. 36 Eighth, grocer
Curry George F. 19 Columbia, carpenter
Curtis Leonard O. 109 Newton, music teacher
Cushing Charles F. 426 Union, merchant
Cushman Harvey, 298 County, grocer

D

Dalbec Edmund, 324 Cedar Grove, conductor
Dammon William F. 136 Campbell, clerk
Dantsizen John G. 25 Cedar, upholsterer
Darling Edgar W. Tarkiln Hill road, grocer
Darling Floyd E. e. s. Tobey road, clerk
Darling Franklin M. w. s. Tobey road, clerk
Davenport August M. 571 Elm, painter
Davis Charles E. 17 Chestnut, machinist
Davis Edward G. 195 Shawmut av, florist
Davis Henry V. 1 Ocean, foreman
Davis Herbert E. 135 Locust, motorneer
Dawe Frederick C. 907 County, machinist
Deacon William, 417 Union, plumber
Dean A. Herbert, 217 Middle, clerk
Dean Charles F. 59 Elm, painter
Dean George F. 15 Borden, clerk
Dehn George R. 23 Linden, baker
Delano Charles H. 14 Myrtle, machinist
Delano George H. 443 Cottage, conductor
Desmond Joseph C. 181 Summer, clerk
DeWolf Alfred W. 109 Elm, hardware dealer

Dexter Arthur A. 56 Campbell, druggist
Dexter Howard N. 56 Campbell, shoemaker
Dion Jean B. 78 Mt. Pleasant, merchant
Dodge George J. 43 Mill, cabinet maker
Dohoney Daniel J. 285 Middle, clerk
Donaghy Thomas Jr. 103 Acushnet av, clerk
Douglass Frank M. 18 Cedar, druggist
Dow William A. 170 Chancery, shipping clerk
Doyle Andrew P. 6 Thompson, shoemaker
Doyle Patrick J. 3 No. Oak, mill operative
Drake Albert B. 121 Cottage, civil engineer
Drake Charles E. 160 William, civil engineer
Driscoll Daniel F. 37 Linden, grocer
Driscoll Michael E. 37 Linden, clerk
Dudgeon Samuel, 74 Willis, clerk
Duffy John B. 224 Arnold, clerk
Dunham Frederick C. 82 Dean, silver plater
Dunham John A. 119 Court, insurance agent
Dunham Zaccheus C. 36 Madison, collector

E

Easton Charles F. Jr. 555 Kempton, barber
Eddy George M. 8 Maple, retired
Eggers George A. 72 So. Chancery, gunsmith
Eldridge Frederick E. 295 Park, clerk
Ellison Henry W. 56 So. Emerson, merchant
Emery John C. 57 Bedford, Twist Drill
Ennis Charles T. 114 Fourth, clerk
Ennis John H. 17 Maitland, painter
Estes Andrew L. 115 Campbell, carpenter

F

Fairchild Thomas H. 53 Fifth, druggist
Faisneau George E. Jr. 96 Willis, clerk

Faunce Charles L. 13 Pope, carpenter
Ferguson James, 49 State, shoemaker
Field Edward H. 286 Pleasant, clerk
Field Lynn A. 2 Foster, printer
Fish Andrew J. 279 Palmer, tailor
Fisher Arthur F. 105 Tremont, harness maker
Fisher Sidney S. 6 Franklin, motorman
Fitch Horace A. Mansion House, electrician
Foley William F. 1017 Purchase, spinner
Folger Charles E. 61 Hillman, bookkeeper
Footman John W. 131 Elm, blacksmith
Ford N. Ernest, 67 Willis, agent
Foster Henry S. 22 Robeson, machinist
Fowler William, 4 Mt. Vernon, assistant supt.

G

Gammage William F. 157 Middle, teamster
Gammons Edgar H. 223 Acushnet av, teamster
Gardner Arnold C. 439 County, clerk
Gardner Oliver H. 48 North, carpenter
Gay George F. 29 Rounds, carpenter
Gay Harry M. 115 Chancery, carpenter
Geils Charles H. 76 Thomas, reporter
Gibbs John L. 135 Locust, watchman
Gibbs William H. H. 59 Shawmut av, eyelet maker
Gibson Samuel S. w. s. Tobey road, mason
Gifford Abram, 355 Court, carpenter
Gifford Edward W. 78 Durfee, clerk
Gifford Pardon B. 101 Morgan, reporter
Gifford Richmond A. 279 Cottage, clerk
Gifford Timothy M. 44 State, clerk
Goff George H. 157 Emerson, carpenter
Gooding Robert A. 177 Cedar, carpenter
Goodwin Albert, 180 Middle, janitor

Gorham Robert S. 79 Morgan, clerk
Greene Matthew L. 22 North, machinist
Greer George, 342 Middle, retired
Greer John, 148 Rotch av, overseer
Grinnell Charles H. w. s. Tobey road, clerk
Grow Charles F. 82 Morgan, insurance agent
Gurl Henry J. 893 County, plumber
Gurney Frank J. e. s. Tobey road, farmer

H

Habicht Frank A. 28 Cottage, printer
Hambly Byron B. 81 Park, machinist
Hammond John N. Tobey road, w. side, carpenter
Hand William H. Jr. 464 County, yacht designer
Handford Joseph H. 1080 Acushnet av, mule spinner
Handy Leon S. 225 Grinnell, printer
Harlow Michael F. 363 Coggeshall, loom fixer
Harrison Samuel, 108 Division, grocer
Haskell Edward S. 9 Eighth, florist
Haskins Elmore P. 95 Chestnut, carpenter
Haskins Herbert K. 87 Chestnut, carpenter
Hatch George C. Jr. 1871 Acushnet av, clerk
Hathaway Andrew B. Hathaway road, florist
Hathaway Charles R. 18 Campbell, clerk
Hathaway Franklin B. 570 Elm, bldg mover
Hathaway Henry W. Hathaway road, farmer
Hathaway James L. 72 Willis, bookkeeper
Hathaway Jethro H. 498 Cottage, carpenter
Hathaway John W. Hathaway road, farmer
Hathaway Leonard J. Jr. w. s. Tobey road, surveyor
Hathaway Merton L. 251 Hawthorn, clerk
Hathaway Thomas S. 385 County, merchant
Hathaway William E. 411 Cedar, hay and grain dealer
Hawes Frederick B. Tobey road, bookkeeper

Hawes William, 60 Sycamore, retired
Hawes William C. 73 Borden, banker
Hayden Abram L. 345 Middle, janitor
Hayden William H. 7 Jenney, clerk
Hayes Lemuel W. 69 Sycamore, engineer
Hazard Alton L. 59 Hill, carriage painter
Headley Phineas Camp Jr. 5 Lincoln, cotton broker
Healey Edward H. 235 Park, clerk
Healey Thomas F. 1680 Acushnet av, assessor
Henderson Adam C. 807 Kempton, printer
Herlihy Patrick, 54 Washburn, stone cutter
Hicks Edward, 98 Hillman, retired
Higgins Edward O. 1267 Rockdale av, plumber
Higham Hiram Jr. 110 Merrimac, overseer
Hillman Frederick G. 63 Hillman, clerk
Hindle William T. 279 Pleasant, clerk
Holt James W. 307 Coggeshall, steamship agent
Hook Gilman E. 21 Columbia, contractor
Hough George A. 85 Campbell, editor
Howland Edgar F. 74 Forest, spar maker
Howland Ellis L. 64 Borden, reporter
Howland Ezra, 284 Union, farmer
Howland George, 284 Union, farmer
Howland Henry, 280 Pleasant, merchant
Howland Paul Jr. 91 State, engraver
Hoxie Frank C. 155 Washington, pattern maker
Hoye James F. 15 Pope, insurance agent
Huggins Leon M. 56 No. Sixth, reporter
Humphrey Harry J. 11 Round, clerk
Humphrey Horace L. 11 Round, clerk
Hunt Josiah, 198 Grinnell, treasurer
Hunt Raymond Z. 143 North, operative
Hunt Samuel C. 147 Maxfield, architect

J

Jackson George, s. s. Perry, mason
Jackson Thomas W. 597 Maxfield, barber
James Clarence H. 181 Fourth, accountant
James Herbert L. 1130 Rockdale av, carpenter
Jean Louis, 65 Merrimac, clerk
Jenney Charles C. 37 Bay, machinist
Jenney Harry C. 17 Campbell, superintendent
Jenney William B. 174 Grinnell, mason
Jenney William T. 170 Grinnell, accountant
Jennings Clark H. 357 Reed, driver
Jennings Harrie B. 358 Reed, bookkeeper
Jennison Charles J. 467 Acushnet av, pattern maker
Jewett William N. 216 Grinnell, merchant
Jordan Roger P. 225 Park, barber

K

Kane James W. 530 Cottage, foreman
Kean Charles H. 135 Locust, electrician
Keen Charles F. 79 Locust, carpenter
Keen Leonard Jr. 39 Parker, carpenter
Kelleher Daniel, 300 Purchase, bomb lance manf'r
Kelleher Daniel J. 433 Purchase, printer
Kelley John T. 256 Fourth, solderer
Kelley L. Aubert, 253 Acushnet av, pressman
Kelley William E. 158 Grinnell, bookkeeper
Kern William E. Jr. 27 Dartmouth, clerk
Kilburn Frank J. 264 County, machinist
Kilburn James F. 166 Grinnell, machinist
King Charles J. 107 Robeson, machinist
King Benjamin F. 690 Cottage, conductor
King Burgess T. 585 Elm, carriage maker
King Isaiah, 67 No. Ash, jobber
King Philip R. 95 Willis, carriage maker

Kingman Gilbert D. 147 Cottage, retired
Kirby Frank R. 150 Cottage, merchant
Kirby William P. 92 Washington, machinist
Kirk John F. 94 State, grain business
Knowles Thomas P. 400 Pleasant, plumber
Knowles John W. 10 Orchard, superintendent
Knox William J. 178 Smith, clerk
Krober William G. 35 Tremont, florist

L

Lagasse Adolph P. 196 Rivet, undertaker
Lamb William G. 406 Union, janitor
Langshaw Walter H. 152 Cottage, superintendent
Lapham Leonard C. 183 Pleasant, clerk
Lawrence George W. e. s. Tobey road, mason
Leach William H. H. 75 Sycamore, trav. salesman
Leach William W. 163 Maxfield, clerk
Leary Dennis Jr. 278 Austin, blacksmith
LeBaron Alonzo T. 46 Hill, eyelet maker
Lees Albert, Woodlawn av, electrician
Lees Sidney, 29 Social, overseer
Lewin Charles, 247 Cedar Grove, loom fixer
Lincoln Arthur F. 286 Pleasant, conductor
Linton Frank I. 107 Maxfield, carriage maker
Louis Thomas W. 228 North, barber
Lowe Samuel J. 86 Kempton, shoemaker
Lucas Everett A. s. s. Weld, carpenter
Luce Thomas E. 144 Campbell, grocer
Luce William T. Jr. 427 Mill, grocer
Luscomb Frederick W. 101 Maxfield, machinist
Lyons Thomas H. 63 Robeson, driver

M

MacBride Robert, 11 Austin ct. watchman
MacKay William T. 173 Washington, machinist
Macomber George P. 774 County, copper works
Macy Arthur W. 161 Grinnell, jeweler
Macy Thomas W. 10 Allen, bookkeeper
Mahon George W. 115 Reynolds, car conductor
Maine Henry M. 36 North, carpet cleaner
Manchester James H. 690 Kempton, clerk
Manseau John D. 30 Durfee, clerk
Martin Edward H. 201 Pleasant, proof reader
Marts Andrew M. 295 Palmer, engineer
Mason John L. G. 53 North, mason
Maxfield Charles T. 49 Mechanics lane, printer
Maxfield Frederick T. 191 Kempton, painter
McAfee John K. 63 Fifth, fruit dealer
McAuliffe Dennis J. 17 Bonney, janitor
McBride John E. 67 School, printer
McCarty Mortimer, 27 Clark, teamer
McCullough John Jr. 38 So. Sixth, merchant
McDonald Hugh J. 195 So. Second, carriagesmith
McDonald John P. 25 Winsor, machinist
McFarlin Albert C. 71 Spruce, driver
McGuinness John F. 95 Court, milliner
Meaney John J. 25 Crapo, carpenter
Meaney Thomas J. 25 Crapo, real est. agent
Mendell Benjamin W. 84 Parker, carpenter
Merrill Converse, 55 Chestnut, telegraph operator
Merritt George H. Plainville road, farmer
Metcalf Frank M. 64 Foster, civil engineer
Miliken Lewis E. 73 Hillman, grocer
Mills William J. 809 County, retired
Monroe Frederick S. 474 Kempton, stenographer
Morrison Thomas, 79 Forest, watchman
Morse Willard H. 271 Pleasant, dry goods

Mosher Charles A. 202 Rockland, carpenter
Mosher Charles H. 1372 Rockdale av, ice dealer
Mosher Frank T. 216 Rockland, carpenter
Moulton Augustus G. 56 Hill, bookkeeper
Munroe Robert C. r. 367 Kempton, plumber
Murkland Frank H. 55 Walnut, civil engineer
Murphy Dennis E. 24 Katherine, spinner
Murphy Edward M. 31 Richmond, clerk
Murphy Frank E. 26 Hall, mill operative
Murphy Thomas D. 102 Merrimac, agent
Muspratt John, 87 So. Sixth, printer
Myrick Walter R. 13 Eighth, clerk

N

Neal George A. 51 Cottage, shoe dealer
Nicholas Andrew F. 39 Bullock, shoe cutter
Nicholson John G. 115 Hillman, lumber dealer
Nofftz Richard, 969 Kempton, florist
Norcross John C. 345 Reed, mason
Norton Thomas J. 52 Locust, foreman
Nuttall James H. 82 Morgan, druggist
Nye George E. 359 County, machinist
Nye George H. 323 Cottage, civil engineer
Nye Pemberton H. 709 County, merchant

O

O'Brien John N. 103 Robeson, wood and coal
Oesting F. William, 689 County, trader
Offley John R. 289 Hillman, barber
Oman Charles A. 14 Allen, overseer
Oman Charles E. 14 Allen, third hand
Omerod James, 1039 County, shoemaker
O'Neal William H. 34 Emerson, salesman
O'Rourke William H. 60 Bay, asst. superintendent
Owen Alfred, 89 Fruit, grocer

P

Paige Maurice W. 9 Mill road, salesman
 Paige Walter H. 9 Mill road, mill hand
 Paine Alvin H. 55 Hill, eyelet maker
 Paine Olin S. 87 State, clerk
 Parker James N. 98 Elm, salesman
 Parsons Thomas L. 131 Elm, broker
 Paul John J. 128 Acushnet av, news dealer
 Paul John W. 71 Morgan, insurance agent
 Paulding John I. 4 Smith, salesman
 Pease William W. 234 Shawmut av, machinist
 Peckham Frank B. 117 Court, fish dealer
 Peckham Frank H. 59 School, teamster
 Peckham Reuben B. lane off Tobey road, mason
 Peirce Leland C. 61 Hillman, clerk
 Pell Walter D. 428 Kempton, janitor
 Perkins John A. 68 Spruce, roofer
 Perry Henry C. 671 County, grocer
 Phinney Otis B. 84 Elm, clerk
 Plummer Charles W. 163 Hawthorn, merchant
 Plummer Leander A. Jr. 148 Hawthorn, artist
 Poisson Ludger, 93 Mt. Pleasant, merchant
 Pollock Frederick O. 171 Mill, janitor
 Pool Arthur T. Plainville road, teamster
 Pool Willard G. 232 Shawmut av, carpenter
 Pope Abner P. 63 Thomas, carpenter
 Potter Charles W. H. 209 Summer, carpenter
 Potter Edwin L. 60 Dartmouth, grocer
 Potter Frederick S. 143 Hawthorn, broker
 Potter Stephen R. 91 Court, clerk
 Prialux Peter, 177 Arnold, gardener
 Price Charles R. Arnold place, treas. N. B. Gas & Edison
 Electric Light Co.
 Proulx Joseph, 26 Reynolds, druggist

Q

Quinn Joseph, 1 Hickory, laborer

R

Raphael William S. 16 Richmond, clerk
Raymond Calvin Jr. 104 Smith, expressman
Raymond Charles, 85 Sycamore, night watchman
Reed Edmund A. 23 Cottage, clerk
Reed Leander, 35 Bay, grocer
Remington Emerald A. 87 Ashland, painter
Rexford George P. 68 School, machinist
Reynolds Alonzo F. 243 Chestnut, carpenter
Reynolds Edward G. 210 Pleasant, livery stable
Reynold William D. 178 North, salesman
Rice Arthur W. 595 Union, clerk
Rice Damon W. 174 Washington, clerk
Richards George D. 14 So. Sixth, house furnishings
Richards William D. 61 Fifth, stable keeper
Ricketson Orion, 146 State, plumber
Riley John S. 162 Chancery, rope maker
Riley Peter J. 109 Austin, boots and shoes
Robbins Charles B. 626 County, clerk
Robenolt Edward S. 23 Sycamore, janitor
Robinson Anthony, 239 Fourth, cigar manufacturer
Robinson William A. Jr. 84 Hawthorn, clerk
Rockefeller James B. 6 Keen, printer
Roddy James, 6 Pearl, retired
Rooney John P. rear 93 Bedford, gardener
Roy Arthur, 159 Coggeshall, teamer
Ruggles John A. Jr. 78 Chestnut, merchant
Russell Charles D. 17 Columbia, salesman
Russell John A. w. side Tobey road, farmer
Russell Nathaniel D. 31 Parker, retired
Russell Pardon Jr. 1107 Rockdale av, ice dealer

S

Sadler George H. 74 Allen, foreman
Salley George E. 257 Palmer, printer
Sanders Henry V. 224 Pleasant, real estate agent
Sargent William A. 101 Ashland, motorman
Savage John, 688 Purchase, confectionery
Sawtelle Frank C. 34 Eighth, clerk
Saxon George E. 628 Purchase, retired
Scammons Joseph H. 131 Robeson, night watchman
Schuler Jacques, 33 Sycamore, shoe dealer
Searell Charles T. 50 Kempton, carpenter
Senna Antone H. 120 Fourth, interpreter
Serpa Charles A. 48 So. Sixth, clerk
Shaw Charles F. 395 Purchase, clerk
Shaw Elmer H. 25 Fifth, variety store
Sherman Albert C. 155 William, stable keeper
Sherman Clarence R. 248 County, carpenter
Sherman Frederick W. 62 Bedford, printer
Sherman James L. 43 Mill, lumber dealer
Sherman John D. 37 Vine, janitor
Sherman William C. 208 Acushnet av, engineer
Shurtleff Israel H. 252 County, druggist
Sisson William H. A. 308 County, decorator
Silva Antonio Gomez, 288 Acushnet av, barber
Slocum Francis R. 5 Maple, furniture dealer
Smith Abbott P. 25 Seventh, real estate
Smith George, Brock av, mill overseer
Smith George T. 107 Cedar, gas fitter
Smith Henry W. 27 Seventh, photogragher
Smith Hoyland, 229 Acushnet av, bicycle dealer
Smith James, 9 Valentine, spinner
Smith Nathaniel C. 112 Mill, architect
Smith Shubael D. Jr. 81 Mill, clerk
Smith William E. 29 Arch, dye house
Snell William G. 281 Park, foreman

Snell William L. 105 Bonney, collector
Snow Loum, Page, merchant
Sowle Frederick L. 26 Sycamore, hardware
Spencer Samuel R. 76 Shawmut av, printer
Spooner Albert F. e. s. Tobey road, carpenter
Spooner Daniel A. w. s. Tobey road, farmer
Spooner Edward F. 682 Kempton, ice dealer
Spooner James L. w. s. Tobey road, farmer
Spooner John A. 2d, e. s. Tobey road, carpenter
Spooner Roswell, e. s. Tobey road, farmer
Stafford George B. 58 Shawmut av, grocer
Stanton Henry H. 12 So. Ash, clerk
Stetson James A. 7 Anthony, civil engineer
Stevens Henry A. 1195 Rockdale av, painter
Stevenson Thomas, 225 Acushnet av, glass cutter
Stirritt John H. 104 No. Ash, tinsmith
Stowell Alexander T. 814 Rockdale av, shoemaker
Stowell Benjamin I. 586 Elm, teamster
Stowell Frederick A. 6 Summit, ice dealer
Studley Alfred G. 197 Middle, bookkeeper
Sullivan Daniel F. 8 So. Ash, foreman
Swanton John D. 105 Hillman, shoemaker
Swift Anderson H. 74 South, carriage trimmer
Swift Edward B. 38 Willis, clerk
Swift Ezra J. 18 Campbell, yeast dealer
Swift Jireh Jr. 1 Clinton, merchant
Swift Leroy W. 53 Cottage, bookkeeper
Swift Thatcher S. 118 So. Sixth, livery stable
Sylvester Robert R. 380 Kempton, shoe dealer
Sylvia Anthony L. 89 So. Sixth, merchant

T

Taber Arthur K. 100 Hillman, clerk
Taber Edwrrd C. 2030 Acushnet av, grocer

Taber Henry G. 201 Park, machinist
Taber Philip A. 170 Chancery, gardener
Taber Robert W. 48 Fifth, bookseller
Taylor George S. 552 Mt. Pleasant, loomfixer
Teachman George E. lane off Hathaway road, mason
Thompson James O. Jr. 223 Summer, supt.
Thompson James W. 119 Maxfield, engineer
Thompson Thomas, 136 No. Second, marble worker
Thorley Francis, 515 Rivet, carpenter
Tilden Andrew, 61 Cottage, confectioner
Tilton Albert A. 1178 Rockdale av, carpenter
Tilton Charles C. 396 Purchase, bookkeeper
Tinkham David W. 433 Acushnet av, moulder
Tinkham James T. 473 Cottage, contractor
Tobey Warren P. 39 Locust, publisher
Toomey Dennis H. rear 36 Linden, clerk
Topham William B. 15 Elm, accountant
Tourtellot William E. 65 Walden, printer
Tripp Augustus C. 80 Ashland, grocer
Tripp Benjamin C. 158 Arnold, carpenter
Tripp Christopher B. 12 Sherman, blacksmith
Tripp Edwin I. 99 Florence, butcher
Tripp Eliphalet A. 527 Cottage, agent
Tripp Everett C. 62 Shawmut av, clerk
Tripp Frank G. 82 State, laundry
Tripp Myron E. 527 Cottage, machinist
Tripp Thomas B. 413 County, real estate agent
Truell Frank P. P. 154 Grinnell, laborer
Turner Elbridge A. Hathaway road, shoemaker
Tuttle Francis L. 51 Bonney, agent

U

Underwood Arthur P. 48 Mill, clerk

V

Vaughan Harry C. 23 Borden, real estate
Vaughan Weston C. Jr. 323 Purchase, undertaker
Vinal Charles H. 103 Summer, accountant
Vincent Herbert M. 135 Acushnet av, machinist

W

Wade Bernard C. 83 Willis, clerk
Warren David, 255 State, livery stable
Warren Joseph C. 190 Cove, Carpenter
Washburn Francis P. w. s. Tobey road, carpenter
Washburn Fred C. 190 Pleasant, carpenter
Washburn George E. w. s. Tobey road, mechanic
Waterman William H. 9 Arch, retired
Watkins James B. 20 Allen, retired
Watson Charles, 765 Kempton, druggist
Webb Hezekiah, 122 High, porter
Webber Archie C. 564 Elm, clerk
Weeden Fred M. 42 Richmond, merchant
Welch Albert C. 69 Sycamore, salesman
Wentworth Frank W. 31 Seventh, merchant
West William F. n. s. Plainville road, painter
Wheaton Walter F. 64 Mill, publisher
Whittaker Benjamin, 254 Chestnut, electrician
Whittaker Henry, 536 Purchase, section hand
Wicks Rodolphus D. 23 Jenny Lind, retired
Wilcox Benjamin, 147 Cottage, superintendent
Wilcox Charles A. 124 Maxfield, carpenter
Wilcox Frank S. 53 So. Sixth, broker
Wilde Cyrus, 181 Shawmut av, mule spinner
Williams Manuel A. 24 Katherine, clerk
Wilson Daniel W. 43 Foster, retired
Wilson Thomas J. 135 Arnold, clerk
Wing Charles F. 37 So. Sixth, merchant

Wing Charles H. 84 Willis, agent
Winn Patrick J. 585 Acushnet av, painter
Wood Francis T. 18 Bedford, shoemaker
Wood George R. 13 Arch, lumber dealer
Wood Harry A. 91 State, bookkeeper
Wood William B. 3 Pope's Island, merchant
Wood William H. 408 County, merchant
Woodward Francis, 352 Union, cotton broker
Woolfenden John, 69 Dean, jeweler
Woolfenden Robert, 399 Pleasant, clerk
Wordell B. Franklin, 59 Sycamore, tobacconist

Y

York William, 888 Rockdale av, clerk
Young George R. 63 No. Second, clerk

1904. CITY DOCUMENT. No. 18.

CITY OF NEW BEDFORD.

ORDINANCES.

IN THE YEAR
ONE THOUSAND NINE HUNDRED AND FOUR.



NEW BEDFORD :
THE A. E. COFFIN PRESS, CITY PRINTERS,
1904.

CITY OF NEW BEDFORD.

In the Year One Thousand Nine Hundred and Four.

AN ORDINANCE

AMENDING SECTION 35 OF CHAPTER XXII OF THE
ORDINANCES, ENTITLED "STREETS AND
PUBLIC PLACES."

*Be it Ordained by the City Council of the City of New
Bedford, as follows :*

SECTION 2. Section 35 of Chapter XXII of the City Ordinances, entitled "Streets and Public Places," is hereby amended by inserting after the word "part" in the fourth line thereof, the words "or any preparation or substance designed to be exploded by the weight of a passing car or vehicle within the City of New Bedford," and by adding a new paragraph, as follows:—

No person shall place or cause to be placed upon, between, or in proximity to the rails of any street railway company, any fireworks, cartridges, torpedoes or other explosives or preparations which may be exploded by the weight of any car passing over the same, and no person shall direct, throw or explode any fireworks, cartridges, torpedoes or other preparations of an explosive or inflammatory nature at, in, over, under or in proximity to any street railway car while said car is upon any street.

SECTION 2. This ordinance shall take effect upon its passage.

IN BOARD OF ALDERMEN, June 9, 1904.
Passed to be ordained.

LOUIS Z. NORMANDIN, Acting Mayor.

IN COMMON COUNCIL, June 9, 1904.
Passed to be ordained.

SAMUEL HIGHAM, President.

Presented to and approved by the Mayor, June 10,
1904.

A true copy, attest:

D. B. LEONARD, City Clerk.

